

IDAHO SYSTEM FOR EDUCATION EXCELLENCE (ISEE)

CAREER TECHNICAL EDUCATION (CTE) ASSIGNMENT CREDENTIAL MANUAL Assignment/Endorsement Crosswalk

For Idaho 2021-2022 ISEE Data Collection



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Idaho Division of Career Technical Education Subject Fields and Assignment Code Descriptions

The Idaho Division of Career Technical Education (IDCTE) course code consists of a six-digit (6) number, with the first two (2) digits corresponding to the subject area to which that course belongs. These two digits provide the user with a logical link to the subject fields that are used to further describe the course.

Insofar as possible, the last 3 digits of the basic assignment code correspond to the order of courses as described within the subject area. Although rigorous procedures are not used to order courses within the subject areas, courses are grouped according to topics and skills covered within the courses. In most instances, numbers are used consistently to denote certain characteristics of the courses. Assignment codes have been grouped into the following subject fields and should be taught by certified staff holding the proper teaching credentials.

10: Computer and Informational Systems
11: Communications and Audio/Visual Technology
12: Business and Marketing
13: Manufacturing
14: Health Care Sciences
15: Public, Protective, and Governmental Services
16: Hospitality and Tourism
17: Architecture and Construction

18: Agriculture, Food, and Natural Resources
19: Family and Consumer Sciences/Human Services
20: Transportation, Distribution, and Logistics
21: Engineering and Technology
22: Miscellaneous/Elective Course Assignments
80: Middle School Level Assignments
90: High School Level/Other Assignments

Only six-digit (6) assignment codes (for approved programs) receive IDCTE secondary Added-Cost Funding, unless otherwise designated. Although every attempt has been made to accommodate the many different types of courses taught throughout the state, you may not see the exact title and description you are seeking. Please choose the assignment code that most closely aligns to what is actually being taught.

Grades 6-8 Assignments

If you have a combination class (i.e.: Grades 8 and 9), create two different sections using the appropriate codes.

- Middle School First Steps Career Exploration Course (limited to the 10 middle school pilot programs pilot programs):
 - If this course is being taught by a CTE certificated instructor, use ISEE Assignment Code 221510 First Steps: Understanding the World of Work Through CTE
 - If this course is being taught by a non-CTE certificated instructor, use ISEE SDE Assignment Code 20005.
- Use the following assignment codes by program area to report CTE teaching assignments in Grades 6-8, regardless of the course title used by your school.
 - 800010 Grades 6-8 Agriculture, Food, and Natural Resources
 - 800020 Grades 6-8 Business and Marketing Education
 - 800030 Grades 6-8 Engineering and Technology Education
 - 800040 Grades 6-8 Family and Consumer Sciences & Human Services
 - 800050 Grades 6-8 Trades and Industry
 - 800060 Grades 6-8 Health Professions & Public Safety

Other Grades 9-12 CTE Assignments

If you have a combination class (i.e.: Grades 8 and 9), create two different sections using the appropriate codes.

Use the specific assignment code that most closely aligns to the intent of the content and standards associated with the assignment.

- Use the following codes only as an exception to report high school-level assignments in the event a more-specific ISEE assignment does not reflect what the teacher is teaching. If using one of these assignment codes, be prepared to provide information about the course at the request of IDCTE staff. Contact Kristi Enger if more guidance is needed.
 - 900010 Grades 9-12 Agriculture, Food, and Natural Resources
 - 900020 Grades 9-12 Business and Marketing Education
 - 900030 Grades 9-12 Engineering and Technology Education
 - 900040 Grades 9-12 Family and Consumer Sciences & Human Services
 - 900050 Grades 9-12 Trades and Industry
 - 900060 Grades 9-12 Health Professions & Public Safety
- Use the following assignment codes to represent non-CTE program-related assignments for CTE-certified educators.
 - 313000 CTE - Other District Staff. (i.e.: athletic director, technology coordinator, etc.). **Report appropriate assignment FTE.**
 - 900001 Advisory - CTE (students in class). **Report appropriate assignment FTE.**
 - 900002 Aide - CTE Classroom. **Do not report assignment FTE (Set assignment FTE as "0.").**
- DO NOT use the State Department of Education's 20005 exploratory code for CTE-certified instructors. Using the SDE code when an individual only holds CTE certification will result in a misalignment error, which may result in salary-based apportionment and Added-Cost program funding being withheld.

CTE Courses That Meet Core Content (Graduation) Requirements

Districts/Charters may offer graduation credit for CTE courses upon meeting the following conditions:

1. The teacher holds a five-year renewable teaching certificate.
2. The teacher is properly certified and endorsed in the core content (non-CTE) area.
 - a. The CTE instructor holds an appropriate core content endorsement on a Standard Instructional Certificate.
 - b. Pursuant to 08.02.02.02404, Option II, an instructor who:
 - i. Holds the 9921 Agricultural Science and Technology endorsement, **and**
 - ii. Demonstrates the completion of twenty-four (24) semester credit hours with at least six (6) semester credits in each of the following areas: biology, chemistry, Earth science or geology, and physics. This individual qualifies for the Natural Science (6-12) endorsement and can teach appropriate CTE agricultural courses for science credit.
 - c. All other instructors wishing to hold a core content area endorsement must have the support of their district/charter to meet one of the following Alternative Authorization – Teacher to New Endorsement options:
 - i. Option I – An official statement of competency in a teaching area or field from the college of education of an accredited college or university is acceptable in lieu of courses if the statement is created in consultation with the department or division in which the competency is established and is approved by the director of teacher education of the recommending college or university.
 - ii. Option II – National Board. By earning National Board Certification in content specific areas, teachers may gain endorsement in a corresponding subject area.

- iii. Option III – Master's degree or higher. By earning a graduate degree in a content specific area, candidates may add an endorsement in that same content area to a valid instructional certificate.
 - iv. Option IV – Content area assessment and mentoring. An endorsement may be added by successfully completing a state board-approved content areas assessment within the first year of authorization and a one-year, state board-approved mentoring.
3. The local education agency (LEA) school board must approve the CTE course as an alternative course that meets a core content graduation requirement and assure the following:
- a. The course imbeds the state standards for the non-CTE area and the CTE program standards as evidenced by a standards and competencies crosswalk document.
 - b. One (1) credit per successful semester of the course is awarded to any given student. The district can report the CTE course in ISEE with the CTE assignment code, regardless the type of credit awarded. The district may award graduation requirement credit or CTE elective credit, but not both in the same semester.

Summary of Major Changes to 2021-2022 CTE Assignment Credential Manual

Key
Added
Removed
Modified

AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

- New Assignment
 - 183490 Precision Agriculture
- Assignment Addition to/Deletion from Pathway
 - 180052 Environmental Sciences Technology Applications added to Ecology and Natural Resources Pathway as intermediate class
 - 180512 Applied Crop Management deleted from Agriculture Leadership and Communications Pathway
 - 183490 Precision Agriculture added to AFNR Cluster | Agriculture Mechanics and Power Systems Pathway | Animal Science Pathway | Ecology and Natural Resource Management Pathway | Plant and Soil Pathway

BUSINESS AND MARKETING EDUCATION (BME)

- Endorsement Addition to/Deletion from Assignment
 - 1010 CTE OS - Marketing deleted from
 - 120530 Business Ownership/Entrepreneurship129
 - 129990 HSB Leadership
 - 129991 HSB Wealth Management
 - 129992 HSB Principles of Business
 - 129993 HSB Business Economics
 - 129994 HSB Principles of Marketing
 - 129995 HSB Principles of Finance
 - 129996 HSB Principles of Management
 - 129997 HSB Business Strategies
 - 4015 CTE OS – Business Management/Finance deleted from
 - 120561 Business Marketing
 - 129990 HSB Leadership
 - 129991 HSB Wealth Management
 - 129992 HSB Principles of Business
 - 129993 HSB Business Economics
 - 129994 HSB Principles of Marketing
 - 129995 HSB Principles of Finance
 - 129996 HSB Principles of Management
 - 129997 HSB Business Strategies
 - 4017 CTE OS – Business Management deleted from
 - 129990 HSB Leadership
 - 129991 HSB Wealth Management
 - 129992 HSB Principles of Business
 - 129993 HSB Business Economics
 - 129994 HSB Principles of Marketing

- 129995 HSB Principles of Finance
- 129996 HSB Principles of Management
- 129997 HSB Business Strategies
- 4022 CTE OS - Business Digital Communications deleted from
 - 100010 Computer Technology I
 - 100011 Computer Technology II
- 4024 CTE OS - Information/Communication Technology deleted from
 - 101010 Networking Support I
 - 101030 Networking Support II
 - 101481 Work-Based Learning – Network Support
 - 102530 Desktop Support I
 - 102531 Desktop Support II
 - 102532 Technology Assistant Internship
- 4026 CTE OS – Network support Technician deleted from
 - 100190 Computer Science I
 - 100191 Computer Science II
 - 100192 Computer Science III
- 4077 CTE OS – Applied Accounting deleted from 120990 Leadership in Business and Marketing
- 9092 CTE - Marketing Technology Education added to
 - 120540 Business Law/Ethics Applications
 - 120980 Work-Based Learning – Business Management

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

- New Assignment
 - 100210 Cloud Computing I
 - 100211 Cloud Computing II
- Assignment Addition to/Deletion from Pathway
 - 100210 Cloud Computing I added to Programming & Software Development Pathway and Web Development & Design Pathway as intermediate class
 - 100211 Cloud Computing II added to Programming & Software Development Pathway and Web Development & Design Pathway as intermediate class
- Endorsement Addition to/Deletion from Assignment
 - 6131 CTE OS – Architectural Drafting Technology added to
 - 211021 Drafting I
 - 211022 Drafting II
 - 6132 CTE OS – Mechanical Drafting Technology added to
 - 211021 Drafting I
 - 211022 Drafting II
 - 6151 CTE OS - Programming & Web Technologies deleted from 102010 Web Design I – Introduction to XHTML & XML
 - 6153 CTE OS - Network & Computer Support deleted from

- 100520 Computer Science – Database Design & Programming
- 101480 Advanced Networking
- 101520 Computer Programming & Software Development I
- 101521 Computer Programming & Software Development II
- 102010 Web Design I – Introduction to XHTML & XML
- 6154 CTE OS - Networking Support deleted from 100050 Business Computer Applications I
- 6156 CTE OS - Computer Support Technologies deleted from 100050 Business Computer Applications I
- 9400 CTE – Computer Science added to
 - 100130 PLTW Computer Science Essentials
 - 100140 PLTW Computer Science A
 - 100150 PLTW Computer Science Principles
 - 100160 PLTW Cybersecurity
 - 100190 Computer Science I
 - 100191 Computer Science II
 - 100192 Computer Science III
 - 100470 Computer Science Advanced Studies
 - 101522 Programming & Software Development I
 - 101523 Programming & Software Development II
 - 101524 Programming & Software Development III
 - 101980 Work-Based Learning – Programming & Software Development

FAMILY AND CONSUMER SCIENCES & HUMAN SERVICES (FCS&HS)

- New Assignment
 - 192610 Human Growth and Development
- Assignment Name Change
 - 192011 Fashion/Textiles to 192011 Fashion and Textiles
 - 192982 Work-Based Learning – Apparel/Textiles to 192982 Work-Based Learning – Apparel and Textiles
 - 222511 Nutrition and Foods to 222511 Foods and Nutrition
- Pathway Name Change
 - Apparel/Textiles changed to Apparel and Textiles
- Assignment Addition to/Deletion from Pathway
 - 160530 Foundational Foods added to Culinary Arts Pathway as introductory class
 - 161513 Explore Hospitality & Tourism added to Hospitality Services Pathway as introductory class
 - 191540 Explore Working with Young Children added to
 - Early Childhood Education Pathway as introductory class
 - Education and Training Pathway as introductory class
 - 192610 Human Growth and Development added to FCS Cluster
 - 222511 Foods and Nutrition added to
 - Culinary Arts Pathway as intermediate class
 - Hospitality Services Pathway as intermediate class

- 222514 Parenting and Child Development added to
 - **Early Childhood Education** as intermediate class
 - **Education and Training Pathway** as intermediate class

HEALTH PROFESSIONS & PUBLIC SAFETY (HPPS)

- Assignment Name Change
 - **141514 Fundamentals of Medical Assisting**
- Endorsement Addition to/Deletion from Assignment
 - 2033 CTE OS – Nursing Assistant added to **141981 Work-Based Learning – Pharmacy Technician**
 - 2087 CTE OS – Paramedic added to **141981 Work-Based Learning – Pharmacy Technician**
 - 2098 CTE OS – Sports Medicine/Athletic Training added to
 - **140983 Work-Based Learning – Rehabilitation Services**
 - **11540 Medical Terminology**
 - **141551 Anatomy and Physiology for Health Professions**

TRADES AND INDUSTRY (TI)

- New Assignment
 - **201033 Transportation Systems Exploration**
- Assignment Name Change
 - 170480 Work-Based Learning – Construction Trades Technology to **170480 Work-Based Learning – Construction Trades**
 - 170560 HVAC Pre-Apprenticeship Level II to **170560 HVAC Level II**
 - 170565 HVAC Pre-Apprenticeship Level III to **170560 HVAC Level III**
 - 170580 Plumbing Pre-Apprenticeship Level II to **170580 Plumbing Level II**
 - 170585 Plumbing Pre-Apprenticeship Level III to **170580 Plumbing Level III**
 - 170980 Work-Based Learning - HVAC Pre-Apprenticeship to **170980 Work-Based Learning - HVAC**
 - 170981 Work-Based Learning - Plumbing Pre-Apprenticeship to **170981 Work-Based Learning - Plumbing**
 - 171020 Electrical Pre-Apprenticeship Level II to **171020 Electrical Level II**
 - 171025 Electrical Pre-Apprenticeship Level III to **171020 Electrical Level III**
 - 171481 Work-Based Learning – Electrical Pre-Apprenticeship to **171481 Work-Based Learning - Electrical**
- Endorsement Addition to/Deletion from Assignment
 - 5018 CTE OS – Electronics Technology deleted from
 - **171060 Introduction to Electronics Technology**
 - **171061 Electronics Applications**
 - **210092 Introduction to Robotics**
 - 5022 CTE OS – Automated Manufacturing deleted from
 - **170020 Construction Systems I**
 - **170021 Construction Systems II**
 - 5030 CTE OS – Electrical Technology deleted from
 - **171060 Introduction to Electronics Technology**
 - **171061 Electronics Applications**

- 6105 CTE OS – Cabinetmaking & Bench Carpentry added to **170010 Construction Career Exploration**
- 6105 CTE OS – Cabinetmaking & Bench Carpentry deleted from
 - **170070 Introduction to Cabinetry**
 - **170074 Advanced Cabinetry**
- 6108 CTE OS – Construction Trades Technology deleted from
 - **170020 Construction Systems I**
 - **170021 Construction Systems II**
- Assignment **Addition to/Deletion from** Pathway
 - 160530 Foundational Foods added to **Culinary Arts Pathway** as introductory class
 - 170010 Construction Careers Exploration added to
 - **Construction Trades Pathway** as introductory class
 - **Cabinetmaking and Bench Carpentry Pathway** as introductory class
 - 201033 Transportation Systems Exploration added to
 - **Automotive Collision Repair** as introductory class
 - **Automotive Maintenance and Light Repair Pathway** as introductory class
 - **Heavy Equipment/Diesel Technology** as introductory class
 - **Small Engine Repair/Power Sports** as introductory class

For technical assistance, please contact Kristi Enger, Director of CTE Educator Certification, at kristi.enger@cte.idaho.gov or (208) 429-5528. You may also reach out to any of the [CTE Program Quality Managers](#) or Justin Touchstone, Assistant Director of Program Quality at justin.touchstone@cte.idaho.gov or (208) 429-5524.

Assignment Credential Manual General FAQs

1. Why do districts/charters have to report their educators' certificated assignments?

Teacher Certification uses the report, called the "Credential Report," to ensure that districts/charters and educators comply with Idaho Statute Title 33-1201 and to determine whether funding for assignments will be released to or withheld from districts.

Educators must hold the appropriate certificate/endorsement for the assignments that they are "coded" for. If an educator is coded for an assignment for which he/she does not hold the appropriate certificate/endorsement, funding may be withheld from the district/charter for the applicable assignments. Districts/charters, however, can work toward rectifying the issues either by correcting coding, having the educator apply for certification, or having the district apply for an alternative authorization.

2. How does one use/read the Manual?

Each assignment has a numeric code, a title, a description of the assignment, and the endorsements that may teach the assignment. The IDCTE Assignment Credential Manual is graphically organized by pathways and cluster courses at the front end, and then arranged as an endorsement "crosswalk" at the back. For example, the graphically organized portion looks like this:

Assignment Codes		Endorsement Codes
460600	Career Technical Education Administrator Coordinates, manages, or directs services within a career technical education program.	0055 CTE Administrator

The crosswalk is arranged [assignment to endorsement](#), like this:

460600	Career Technical Education Administrator 0055 CTE Administrator (6-12)
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The crosswalk is also arranged [endorsement to assignment](#) like this:

0055	CTE Administrator (6-12) 460600 Career Technical Education Administrator
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3. How does the district/charter know which assignment/course code to choose?

The IDCTE Assignment Credential Manual is extensive, yet it is impossible for it to be all-inclusive. Districts are advised to choose the code that best reflects the content that is being delivered in the classroom or that best reflects the duties of the educator (in the case of certificated, non-instructional duties).

4. When does the district/charter have to use codes from the Assignment Credential Manual?

If a school has a CTE program or the teacher is only endorsed through Idaho CTE, assignments must be coded with codes from the IDCTE Assignment Credential Manual. CTE teacher endorsements no longer align to assignments in the State Department of Education Assignment Manual.

5. How does the district/charter know if an educator can be coded for a particular assignment?

Each assignment will have a list of endorsements that are allowed to teach that assignment. For example, if a teacher holds a Business Management/Finance (6-12) (4015) endorsement, he or she can teach Assignment Code 121670 Marketing Economics.

121670 Marketing Economics (Applied Economics)

A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision-making and its relationship to how people produce and distribute consumer goods and services are examined.

4015 CTE OS – Business Management/Finance (6-12)

9092 CTE – Marketing Technology Education (6-12)

9093 CTE – Business Technology Education (6-12)

6. What if the district/charter needs a teacher to teach an assignment for which he/she does NOT hold the appropriate certificate and endorsement?

The district/charter can apply for a CTE Alternative Authorization Certificate. The application will be reviewed by the Professional Standards Committee Authorizations subcommittee. If the application is approved by the Authorizations Committee, the candidate will be allowed to teach in the new area of certification/endorsement while he/she simultaneously fulfills the requirements to earn the new certificate/endorsement. With the CTE Alternative Authorization in place, salary-apportionment funding for the applicable assignments will not be withheld. The Alternative Authorization will only cover the areas of certification/endorsement for which the authorization is applied and approved.

7. When a district/charter is applying for an alternative authorization, how does one know which certificate/endorsement to request on the application for the alternative authorization?

The district/charter should use the IDCTE Assignment Credential Manual to determine which certificate/endorsement to request on the application for the alternative authorization. Currently certified educators can request to have an endorsement added but may need to be on an alternative authorization to allow time to meet the current standards for the endorsement.

8. Who is responsible for maintaining the IDCTE Assignment Credential Manual?

The Idaho Division of Career Technical Education educator certification team is responsible for the CTE Assignment Credential Manual.

Idaho Division of Career Technical Education certification and program quality staff will provide technical assistance to Local Education Agencies (LEA) regarding misalignments (a.k.a. assignment deficiencies).

The Idaho Division of Career Technical Education certification director will provide technical assistance to LEAs with regard to base funding for CTE assignments.

Assignment Codes by Cluster and Program Pathway

AGRICULTURE, FOOD, AND NATURAL RESOURCES (AFNR)

AFNR Cluster Only

180052 Environmental Sciences Technology Applications This course is offered for a full year and introduces students to the multitude of scenarios of hazardous material conditions which exist in the nation's waterways, soil, and air. Air and water pollution examples will be studied, and models of controlling pollution or contamination will be examined.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182040 Agricultural Economics A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, record keeping, finance, decision making, risk management, business law, marketing, and careers in agribusiness.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184015 Agricultural Structures A course preparing students to maintain, evaluate, design, and build agriculture structures using approved construction techniques.	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agribusiness Pathway

180510 Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets and chemicals.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12)
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	9921 CTE - Agriculture Science and Technology (6-12)
180513 Plant & Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests.	0110 CTE OS - Agricultural Production (6-12) 0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.	0130 CTE OS - Agricultural Power Machinery (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182010 Agribusiness Management & Marketing A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, record keeping, finance, risk management, business law, marketing, and careers in agribusiness.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182011 CAPSTONE: Agricultural Business & Economics A course designed to introduce the student to agribusiness management in the free enterprise system. It includes a study of economic principles, budgeting, record keeping, finance, decision making, risk management, business law, marketing, and careers in agribusiness.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

182012 Agricultural Sales A course designed to develop skills in preparing, developing, and practicing agribusiness sales competencies. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182031 Advanced Leadership in Agriculture & Marketing A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture.	0109 CTE OS - Ag Business Mgmt (6-12) 0119 CTE OS - Agribusiness (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182480 Work-Based Learning - Agribusiness/Economics This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Agribusiness pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 7016 CTE - Career Counselor (6-12)

Agriculture Food Science & Processing Pathway

180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12)

<p>applications, and career opportunities.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant & Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183050 Sanitation in Food Processing A course focusing on all dynamic and ongoing functions and operations to prevent contamination beginning with receiving of ingredients through processing and distribution.</p>	<p>0140 CTE OS - Food Science & Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183052 Introduction to Equipment in Food Processing</p>	<p>0140 CTE OS - Food Science & Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

	A course introducing students to the various pieces of equipment found in a food processing plant and how it works. This class will explain the mechanics of how these various pieces of equipment function in a food processing facility.	
183056	CAPSTONE: Standards of Food Science & Processing Technology This course is the capstone course for the Food Science & Processing Technology Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. Additionally, this course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.	0140 CTE OS - Food Science & Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
183080	Ag Biotechnology A course designed to explore a variety of technology applications that are used to modify living organisms in the areas of plant and animal science, plant and animal health, environmental science, and food science.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
183081	Food Science An applied science course in the science of food production, processing, transporting, storage, toxicology and quality control. Students apply the scientific method of discovery as they study the biological and chemical basis of food preparation, processing and preservation. Students develop writing and critical thinking skills through data collection, laboratory procedures, science-based experimentation, and written lab reports. This course focuses primarily on the food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
183480	Work-Based Learning - Food Science & Processing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Food Science pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0140 CTE OS - Food Science & Processing Technology (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agriculture Leadership & Communications Pathway

180010	Introduction to Agriculture Education	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12)
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<p>A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.</p>	<p>0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180040 Agricultural Biology A course designed to examine the importance of plant and animal cell structure, functions of the cells, plant and animal processes, heredity and genetics, and the basic factors that affect life and quality relating to agriculture and natural resources. The course provides contextual, inquiry-based instruction with experimental design and research-based projects in the areas of zoology, botany and ecology with specific emphasis based on the needs of the local school district.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant & Soil Science</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12)</p>

<p>A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests.</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180523 Applied Greenhouse & Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.</p>	<p>0109 CTE OS - Ag Business Mgmt (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12)</p>

	0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181013 Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182020 Experiential Learning and SAE Programs This course addresses the role of experiential learning in Agricultural Education programs. The emphasis of the course will be to provide students with supervised experience in agriculture. Record keeping skills will be developed to assist the student in planning, decision-making, and reporting.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182030 Personal Skill Development A comprehensive course in developing agricultural leadership, citizenship, and cooperation. It includes topics in personal development, employee/employer relations, and group and individual interpersonal communications skills.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182032 CAPSTONE: Principles of Agricultural Communications and Leadership	0109 CTE OS - Ag Business Mgmt (6-12)

<p>This course prepares individuals to serve in leadership and communication roles in agriculture. Course topics will include an examination of the journalistic, communication and broadcasting principles to develop and disseminate agricultural information, along with leadership principles related to leadership theory and personal leadership development.</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>182481 Work-Based Learning - Agriculture Communications & Leadership This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Agriculture Communications & Leadership pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183081 Food Science An applied science course in the science of food production, processing, transporting, storage, toxicology and quality control. Students apply the scientific method of discovery as they study the biological and chemical basis of food preparation, processing and preservation. Students develop writing and critical thinking skills through data collection, laboratory procedures, science-based experimentation, and written lab reports. This course focuses primarily on the food processing industry and may be used as a companion course to the Family and Consumer Sciences course in Food Science.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Agriculture Mechanics & Power Systems Pathway

<p>180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184010 Introduction to Agricultural Mechanics This course provides students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12)</p>

	0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184012 Agricultural Power Technology - Large Engines A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184013 Agricultural Systems/Electricity & Hydraulics A course designed to develop skills in operation of tools and equipment, wiring, controls, electric motors, and hydraulics.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance and management of agricultural machinery.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184017 CAPSTONE: Standards of Agricultural Mechanics & Power Systems This is the capstone course for the Agriculture Mechanics & Power Systems Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184040 Agricultural Welding A course designed to develop skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184042 Agricultural Power Technology	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)

<p>A course designed to develop skills in selection, operation and maintenance of small, air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.</p>	<p>9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184480 Work-Based Learning - Agriculture Mechanics & Power Systems This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Agriculture Mechanics & Power Systems pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Agriculture Small Engine Repair Pathway

<p>184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>184011 Small Gasoline Engines A course designed to develop skills in selection, operation, and maintenance of small, air-cooled engines.</p>	<p>0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

184012 Agricultural Power Technology - Large Engines A course designed to develop skills in selection, operation and maintenance of multicylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184014 Agricultural Machinery A course designed to develop skills in selection, operation, maintenance and management of agricultural machinery.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184016 CAPSTONE: Advanced Small Gasoline Engines A course designed to cover the theory of operation along with actual hands-on experience. Students will demonstrate applied techniques in the repair and maintenance of 2- and 4-cycle small engines.	0130 CTE OS - Agricultural Power Machinery (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184042 Agricultural Power Technology A course designed to develop skills in selection, operation and maintenance of small, air-cooled engines, multi-cylinder engines, hydraulics, electric motors, and agricultural machinery and tractors.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184481 Work-Based Learning - Agriculture Small Engine Repair/Power Sports This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Agriculture Small Engine Repair/Power Sports pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Agriculture Welding Pathway

180020 Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12)
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	0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184010 Introduction to Agricultural Mechanics Agriculture Mechanics/Equipment/Structures courses provide students with the skills and knowledge that are specifically applicable to the tools and equipment used in the agricultural industry. While learning to apply basic industrial knowledge and skills (engine mechanics, power systems, welding, and carpentry, among others), students may explore a broad range of topics, including the operation, mechanics, and care of farm tools and machines; the construction and repair of structures integral to farm operations; a study of electricity and power principles; and safety procedures.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184040 Agricultural Welding A course designed to develop skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.	0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184041 CAPSTONE: Advanced Agricultural Welding A course designed to reinforce foundational process skills in Arc and Oxy-Acetylene welding as well as implement advanced fabrication and manufacturing technology practices.	0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184043 Agricultural Fabrication A course to develop skills in metal equipment assembly and joining processes.	0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
184482 Work-Based Learning - Agriculture Welding This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 6236 CTE OS - Certified Welding (6-12)

<p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Agriculture Welding pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
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Animal Science Pathway

<p>181010 Introduction to Livestock Industry A course that includes principles of evaluation and selection of beef, swine, sheep, horse and dairy animals.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181011 Animal Science A course designed to develop knowledge and skills pertaining to nutrition, reproduction, diseases, breeding, genetics, anatomy, and physiology in livestock.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>181013 Applied Livestock Management A course that includes principles of animal production and management. Topics include health, evaluation, selection, feeding, and management.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12)</p>

	0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181017 Science of Animal Reproduction A course of study which provides learning experiences in the subject matter relating to anatomy and physiology of animal reproduction.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181018 CAPSTONE: Standards of Agricultural Animal Science The capstone course for the Agriculture Animal Science Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. Additionally, this course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181020 Small Animal Care A course the focuses on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy, physiology, facilities, handling and training, and grooming are typical areas of study.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181040 Equine Science A course of instruction designed to provide science and practical management instruction in the care of horses. The applied science curriculum component has a focus on physiology, anatomy, nutrition, genetics, health and reproduction.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181050 Veterinary Science A course of designed to impart information about the causes, diagnosis, and treatment of diseases and injuries in animals, typically emphasizing domestic and farm animals. Business management and interpersonal skills required for a successful veterinary practice will also be emphasized.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181070 Science of Animal Nutrition A course of study designed to provide learning experiences for students in the areas of animal nutrition and physiology.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
181480 Work-Based Learning - Animal Science This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The	0099 CTE OS - Work Based Learning Coordinator (6-12) 0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

<p>work-based learning (WBL) placement must specifically align to the Animal Science pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	
<p>183060 Aquaculture Science A course that provides science instruction and practical applications of science principles in the context of fish production. It focuses on such issues as water quality, nutrition, health, and aquatic environments and the plants and animals that live in water. Opportunities are provided for laboratory experiences related to aquaculture.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0118 CTE OS - Animal Science (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>

Ecology & Natural Resource Management Pathway

<p>180010 Introduction to Agriculture Education A course surveying a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course serves to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180015 Introduction to Natural Resources and Ecosystem Services</p>	<p>0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12)</p>

	A course that will provide the foundation for courses in the Natural Resources pathway, including Natural Resources, Fish and Wildlife Science, Range Science, Environmental Science, and Forestry Science. Students will understand principles of ecology and natural resources, the relationship between natural resources and ecosystem services, and the role ecosystem services play in various aspects of agricultural production.	0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180020	Introduction to Agricultural Industry A basic applied course designed to enhance students' perceptions of agriculture, its applications, and career opportunities.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
183490	Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185021	Forestry Science A course designed to introduce students to the biological, environmental and ecological concepts encountered in a temporal forest environment.	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185040	CAPSTONE: Natural Resource Science	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12)

<p>A course designed to teach the concepts of conservation, natural resources, ecology, and fish/ wildlife science.</p>	<p>0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185041 Environmental Science A course that provides science instruction and practical experiences in environmental science including agricultural/industrial chemical issues, habitat preservation/restoration, remediation of damaged resources, conservation practices and current environmental issues.</p>	<p>0120 CTE OS - Agricultural Leadership and Communications (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185050 Introduction to Environmental Science Technology A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics and creative designing to industry standards. Students will be given a variety of skills development situations in which they will be required to solve problems relating to water, ground and air contaminations or abnormalities. A strong science background is suggested prior to enrollment. Basic instrument and tool use will be provided, along with computer/instrumentation applications and applied physical and chemical science laboratory exercises.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185051 Environmental Sciences Technology Applications This course is offered for a full year and introduces students to the multitude of scenarios of hazardous material conditions which exist in the nation's waterways, soil, and air. Air and water pollution examples will be studied, and models of controlling pollution or contamination will be examined.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185052 Advanced Environmental Science Technology Applications Students will be involved in examining and studying existing pollution and contamination solutions in area industries. Single family, community, and industry applications of models to prevent contamination and pollution of soil, water, and air will be presented to students. On-site industry and field experiences will be an integral component of this course. This course should be offered as a multiple period block for a full year.</p>	<p>0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>185053 Forestry and Wildlife Management A course designed to examine the importance of forestry, wildlife, and outdoor recreation with emphasis on efficient use of natural resources.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12)</p>

	0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185054 Fish and Wildlife Science A course designed to examine the importance of fish and wildlife science, outdoor recreation and natural resources.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0110 CTE OS - Agricultural Production (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185056 Advanced Forestry Science This course is a companion course to AG 0516 Botany/Forestry Science. It provides an advanced level of instruction in the biological, environmental and ecological concepts that are encountered in a temporal forest environment. AG 0516 should be taken as a prerequisite course to provide fundamental instruction in the forestry sequence.	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185057 Range Science A course designed to acquaint students with principles of conservation, natural resources, ecology, and range science.	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
185482 Work-Based Learning - Ecology and Natural Resource Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Ecology and Natural Resource Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

Ornamental Horticulture Pathway

180510 Introduction to Agricultural Plant Industry	0108 CTE OS - Animal Health & Veterinary Sci (6-12)
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<p>A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets and chemicals.</p>	<p>0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180513 Plant & Soil Science A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180520 Landscape Design A course that prepares students to design, construct, and maintain planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation.</p>	<p>0109 CTE OS - Ag Business Mgmt (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180521 Floral Design and Marketing</p>	<p>0109 CTE OS - Ag Business Mgmt (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12)</p>

	A course designed to develop skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business. The skills learned are necessary to gain and maintain employment in the retail florist industry.	0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180522	Advanced Floral Design & Marketing A course designed to enhance skills in floriculture and the techniques used to develop and complete a variety of retail items normally sold in a retail florist business and expand to include specialty materials for weddings, funerals, and similar special occasions. Business and inventory skills and well as job shadowing components will be required. The skills learned are necessary to gain and maintain employment in the retail florist industry.	0109 CTE OS - Ag Business Mgmt (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180523	Applied Greenhouse & Nursery Management A course designed to prepare students in greenhouse and nursery operation and management.	0109 CTE OS - Ag Business Mgmt (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180524	CAPSTONE: Standards of Agricultural Ornamental Horticulture This is the capstone course for the Agriculture Ornamental Horticulture Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.	0109 CTE OS - Ag Business Mgmt (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180980	Work-Based Learning - Ornamental Horticulture This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Ornamental Horticulture pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
182012	Agricultural Sales A course designed to develop skills in preparing, developing, and practicing agribusiness sales competencies. The skills learned are necessary to gain and maintain employment in the wholesale/retail agriculture sales field.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6- 12)

182031 Advanced Leadership in Agriculture & Marketing A course designed to develop advanced skills related to agribusiness and marketing focused on customer service and demonstrated leadership in agriculture.	0109 CTE OS - Ag Business Mgmt (6-12) 0119 CTE OS - Agribusiness (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
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Plant & Soil Pathway

180510 Introduction to Agricultural Plant Industry A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, irrigation, land judging, plants, crop and weed identification, diseases, insets and chemicals.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0119 CTE OS - Agribusiness (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180511 Science of Plant Growth & Development A course designed to examine the importance of plant cell structure, functions of cells, plant processes, nonvascular plants, vascular plants, roots, stems, leaves, flowers and reproduction of plants.	0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180512 Applied Crop Management A course that prepares students to operate enterprises concerned with the production of various field crops.	0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
180513 Plant & Soil Science	0110 CTE OS - Agricultural Production (6-12)

<p>A course designed to examine soil and plant relationships that affect the production of food and fiber. Topics include soils, plants, plant ID, and plant pests.</p>	<p>0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180514 CAPSTONE: Standards of Agricultural Plant Science The capstone course for the Agriculture Plant Science Pathway. The course is intended to serve as a setting where instructors can teach pathway standards not covered earlier in introductory or intermediate pathway courses. The course may be used to strengthen or reinforce pathway standards previously taught in other pathway courses.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180515 Horticulture Plant Science A course that prepares students to produce greenhouse/nursery plants and to maintain plant growth and propagation structures.</p>	<p>0110 CTE OS - Agricultural Production (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>180981 Work-Based Learning - Plant & Soil This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Plant and Soil pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 0110 CTE OS - Agricultural Production (6-12) 0150 CTE OS - Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 7016 CTE - Career Counselor (6-12) 9921 CTE - Agriculture Science and Technology (6-12)</p>
<p>183490 Precision Agriculture This course teaches the basics in the uses of GPS, GIS, and variable-rate technology in agriculture, and the ways in which they affect production.</p>	<p>0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0118 CTE OS - Animal Science (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12)</p>

	9921 CTE - Agriculture Science and Technology (6-12)
185041 Environmental Science A course that provides science instruction and practical experiences in environmental science including agricultural/industrial chemical issues, habitat preservation/restoration, remediation of damaged resources, conservation practices and current environmental issues.	0120 CTE OS - Agricultural Leadership and Communications (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

BUSINESS AND MARKETING EDUCATION (BME)

Administrative Services Pathway

<p>100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100051 Business Computer Applications II A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance. Students have the opportunity to earn Advanced MOS Certifications.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120010 Business Essentials A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120030 CAPSTONE: Business Administration A course designed to provide students project-based application of essential business and marketing competencies. The course demonstrates proficiency in the following areas: leadership, accounting principles, technology, salesmanship,</p>	<p>4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9093 CTE - Business Technology Education (6-12)</p>

	marketing/entrepreneurship, general business principles, business law, human relations skills, public speaking, business communications, keyboarding skill development, computer applications, career awareness, and job seeking skills.	
120090 Business Communications	A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120480 Work-Based Learning - Administrative Services	This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Administrative Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120540 Business Law/Ethics Applications	A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120552 Business Management	A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121013 Personal Business Finance	A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning.	4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121040 Accounting I		1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12)

	A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.	4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121640	Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121660	Principles of Management A course designed to focus on accomplishing the goals of an organization through the effective use of people and other resources. The functions of management are discussed and analyzed. Role playing, case analysis, guest lecturers and assignments are used to bring together the total management function.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121670	Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined.	1010 CTE OS - Marketing (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129998	Business Math A course designed to provide students with an understanding of essential business mathematical concepts. Basic math and algebraic operations as well as statistical procedures are used to analyze and solve realistic business and money management problems.	4012 CTE OS - Administrative Services (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Applied Accounting Pathway

100050	Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12)
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	include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.	4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
120010 Business Essentials	A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121013 Personal Business Finance	A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning.	4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121040 Accounting I	A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121041 CAPSTONE: Accounting II	Accounting II reinforces and expands the basic principles and procedures learned in Accounting I. Accounting II may include software applications.	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
121042 Computerized Accounting	A course designed for students to study accounting principles as they relate to the understanding of financial records for a business using industry-standard software. Students have the opportunity to earn QuickBooks Certification.	4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
121110 Forensic Accounting & Fraud Investigation	Solve financial crimes as part of an investigative team. Learn to look for fraud clues in financial statements, identify red flags that indicate fraud, process evidence from financial crime scenes, and spot when someone is lying! Learn the entry-level basics of	4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)

accounting along the way to finding interesting and new career opportunities in the forensic accounting field.	
121480 Work-Based Learning - Applied Accounting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Applied Accounting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 4077 CTE OS - Applied Accounting (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)

BME Cluster Only

100010 Computer Technology I A course designed to focus on the study of computer systems and application software. The influences of computers on societal issues are presented especially in the areas of security, privacy, computer crime and viruses. A broad array of computer applications are surveyed in context to how they help solve personal, business, and societal problems.	4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
100011 Computer Technology II A course designed to focus on the study of computer hardware and operating systems. This course elaborates on skills and issues included in Computer Technology I.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
100052 Business Computer Applications III A course designed to build on the skills and knowledge established in Business Computer Applications II. Solving business problems that require advanced use and integration of productivity applications for data management, data analysis, and information presentation represent the framework of the course. The course includes an examination of career and industry certification opportunities as they relate to the skills and knowledge acquired. Students have the opportunity to earn MOS Expert Certification.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
100510 Information Technology A course designed to provide students with an understanding of voice and data communication networks and components necessary for information systems' maintenance. Students will become familiar with hardware and software utilities used to install, upgrade and problem solve various types of operating systems' problems.	4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)

100520 Computer Science-Database Design & Programming This course is an authorized AP College Board course; teachers must be authorized to teach the course through the AP College Board. Upon completion of the course, students will be able to pass the AP College Board Exam for Computer Science A or Computer Science AB. For complete details regarding AP Board Approval of the Teacher and the curriculum go to: http://apcentral.collegeboard.com .	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
101480 Advanced Networking A course designed for students to develop skills and competencies for the installation and maintenance of computer equipment in the district, community and industry using cable, fiber optics, and wireless communication. Students will connect users to computer systems, keep documentation on network performance and install upgrades when necessary. A personal code of ethics for information use and management will be established.	4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
101520 Computer Programming & Software Development I A course designed to introduce students to computer science through programming concepts, and skills. Students will learn how to design, enter, compile, run and debug programs and gain an understanding of how to break up large programming tasks into small, solvable parts to create effective working programs across a variety of platforms.	9093 CTE - Business Technology Education (6-12)
101521 Computer Programming & Software Development II A course designed to build on the skills and knowledge established in Computer Programming and Software Development I.	9093 CTE - Business Technology Education (6-12)
102532 Technology Assistant Internship A course designed to allow students to practice skills learned in the initial levels of the program by performing the duties of an assistant to the system operator of a computer network or technology center. Duties will be performed in conjunction with adults in the school district. Skills to be learned and reinforced would include installing, maintaining and troubleshooting equipment. In addition, the student would be responsible for providing training and in-service on appropriate equipment to all school personnel, develop communication linkages, and serve as system technician.	6153 CTE OS - Network & Computer Support (6-12) 9093 CTE - Business Technology Education (6-12)
102560 Computer Design & Networking A course designed to examine computer design, assembly, and maintenance, as well as develop foundational computer networking competencies; to include a study of appropriate procedures for working with hubs, switches, and routers. Students will learn associated workplace skills including inventory tracking, scheduling, component research and acquisition, and related business procedures.	9093 CTE - Business Technology Education (6-12)
120021 Office Technologies	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12)

	A course designed to provide students with the procedures and skills necessary for the operation of a modern business office. The course includes integration of concepts into realistic simulations and incorporation of computers as they relate to the typical tasks in a modern business. Students study emerging technologies and concepts that will allow them to function effectively in a high-tech environment.	9093 CTE - Business Technology Education (6-12)
120990 Leadership in Business and Marketing	This course prepares individuals to serve in leadership and communication roles in business and marketing. Course topics will include project management development, financial management of a business and marketing organization, team management, dealing with change, ethics, time management, effective communication, diversity, decision-making, and personal leadership development. BPA (Business Professionals of America) and DECA leadership activities are strongly tied to this course.	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121011 Financial Services	This course can be offered either as a one or two-semester course to be given in either the ninth or tenth grade as a means of introducing students to the various sectors of the financial services industry. The objective of this course is to help students learn about both the nature of the careers found in a particular sector and the scope of the work that comprises businesses such as insurance, real estate, public finance, accounting, and the securities industry.	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121012 Banking & Finance Services	A course designed to examine the principles and practices of financial institutions. Students will demonstrate skills and knowledge in money management, personal finance, investment and stock market strategies, institutions' operations and procedures, the Federal Reserve System, and credit functions and operations.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121020 Banking & Credit	A course presenting a survey of the principles and practices of banking and credit in the U.S. Students learn about the major functions of banks and other depository institutions, their in-house operations and procedures, central banking through the Federal Reserve System and modern trends in the banking industry. The credit component provides an overview of credit functions and operations including credit risk evaluation, loan creation and debt collection.	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121030 Financial Planning/Financial Operations	A course that introduces the students to the financial planning process and the components of a comprehensive financial plan. The students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning.	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121050 Economics & the World of Finance		4015 CTE OS - Business Management/Finance (6-12)

	A course covering macro and micro-economics which provides an understanding of how our market economy functions in a global setting. It provides students with a survey of economic concepts including all of the basic principles recommended by the National Council on Economic Education. In addition, a unit on capital markets acquaints the students with the role that various markets and securities play in the U.S. Economy.	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121060	Principles of Insurance A course designed to introduce students to insurance products, rate-setting, insurance regulations and careers in the industry.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121070	Securities A course focusing on the roles and functions of a modern securities organization. Through a study of the structure of brokerage firms, the trading process, credit and margin practices, automated processes, and government regulations, students gain an understanding of how a securities firm services its customers and plays an important role in our economy. Students are given the opportunity to relate their knowledge of economics, accounting, and data processing to the operations areas of various sectors of the securities industry. Emphasis is placed on the skills and attitudes necessary for success in business and college. NOTE: This course may be combined with Insurance, in a course titled "Securities and Insurance."	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121490	International Finance A course that introduces the students to the financial planning process and the components of a comprehensive financial plan. The students learn how to prepare a financial plan that includes saving, investing, borrowing, risk management (insurance), and retirement and estate planning.	4015 CTE OS - Business Management/Finance (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
121491	Principles of World Finance A course designed to explore major components of the financial system including foreign trade, the monetary system, exchange rates, financial markets, multinational corporations and banking.	4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121620	E-Commerce A course designed to provide students with an understanding of the concepts and skills necessary for conducting e-business. Students will develop an understanding of the economic, social, legal and ethical issues related to e-business. Skill development in creating and publishing Web pages and using the Internet for research, decision making, and business communication are emphasized.	4015 CTE OS - Business Management/Finance (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
221520	Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the needs of students to develop good work and study habits, helps students to prepare portfolios,	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

learn about school resources, develop career plans, start preparing for college and develop solid interpersonal skills, with an emphasis on communication and building self-esteem. BPA (Business Professionals of America), DECA (Marketing CTSO), or FCCLA (Family, community and Career Leaders of America) leadership activities are strongly tied to this course. BPA, DECA, or FCCLA activities should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
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Business Management Pathway

100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
100051 Business Computer Applications II A course designed to build on the skills and knowledge established in Business Computer Applications I. Information and data management, retrieval, merging, and presentation represent the framework of the course. Topics include an introduction to database applications, the use of word processing software for creating complex business documents and reports, and the use of spreadsheet software for solving mathematically based problems involving business finance. Students have the opportunity to earn Advanced MOS Certifications.	4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
120010 Business Essentials A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120090 Business Communications	1010 CTE OS - Marketing (6-12)

<p>A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120530 CAPSTONE: Business Ownership/Entrepreneurship A course designed for students to expand their knowledge of business/marketing principles related to ownership and management of a business, traits and characteristics of successful entrepreneurs, and strategies of business management and marketing. The development of a business plan related to the students' area of entrepreneurial interest is a course objective. Students have the opportunity to earn ESB Certification.</p>	<p>4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120540 Business Law/Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120552 Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120560 International Business/Marketing A course designed to provide students an introduction to international business and marketing. Topics will include exporting and importing basics, international economics and finance, distribution, laws and regulations, entrepreneurship, trade documentation, and employability skills.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>120980 Work-Based Learning - Business Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Business Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

121013 Personal Business Finance A course designed to provide students personal finance skills and knowledge; to include goal setting, budgeting, saving, investing, borrowing, insuring, identity protection and retirement planning.	4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121640 Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121660 Principles of Management A course designed to focus on accomplishing the goals of an organization through the effective use of people and other resources. The functions of management are discussed and analyzed. Role playing, case analysis, guest lecturers and assignments are used to bring together the total management function.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121670 Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined.	1010 CTE OS - Marketing (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Digital Communications Pathway

100050 Business Computer Applications I	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12)
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	<p>A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.</p>	<p>4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)</p>
102010	<p>Web Design I - Introduction to XHTML & XML A course designed to allow students to develop Web pages utilizing HTML, XHTML, CSS, and XML basic web coding. This course is an entry-level course intended as a prerequisite for advanced Web design courses. This course is designed to provide students with vocabulary and concepts required to develop a Website. Students will be introduced to industry standard Web design software and be ready to advance to Web Design II, where students will use advanced Web authoring tools. Students have the opportunity to earn Adobe Certification Dreamweaver.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
102011	<p>Web Design II - Web Site Authoring Tools A course designed to emphasize planning and publishing dynamic, professional web sites using industry standard web design authoring tools. Students will learn to create and incorporate special effects, photographs, icons, quality animations, and other graphics suitable for web deployment. An in-depth application of editing software and advanced coding applications will be the focus of this course. Students have the opportunity to earn Advanced Adobe Certification Dreamweaver.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
102014	<p>CAPSTONE: Business Digital Communications A capstone course designed to integrate knowledge from Graphic Design, Video Editing and Web Design to develop thorough incorporation of sales, marketing and customer interfaces. Students will increase their knowledge of design, visual communication, and professional communication in the world of business. Students have the opportunity to earn Advanced Adobe Certification.</p>	<p>4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)</p>
102030	<p>Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.</p>	<p>1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
102480	<p>Work-Based Learning - Business Digital Communications This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)</p>

	This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Business Digital Communications pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	
110550	Interactive Media - Video I A course designed to provide in-depth knowledge of audio-visual production equipment and processes. Students will be introduced to video editing skills and techniques for planning, designing and developing video. Skills to be obtained are file management, audio and video capturing, adding events to timelines, editing multiple video tracks, transitions, voice over production, and key framing. Students have the opportunity to earn Adobe Certification in Premiere.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
110551	Interactive Media - Video II A course designed to build on the skills and knowledge established in Interactive Media I. Soundtrack creation, multiple camera editing, story line development, and advanced video capturing represent the framework for this course. Skills to be learned include masking, editing, and special FX and DVD authoring. Culminating activities include integrating acquired skills and abilities with school, business or community needs. Students have the opportunity to earn Advanced Adobe Certification in Premiere.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
111040	Publishing I This course emphasizes design principles for the creation of advertising and publishing materials, and techniques for efficient planning and documenting projects, and utilizing the most appropriate software for the task at hand. This course incorporates the full print production Adobe Suite: InDesign, Photoshop, Illustrator, and Acrobat to complete typical industry projects using best practices for efficient production. Students have the opportunity to earn Adobe Certification.	4012 CTE OS - Administrative Services (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
111041	Publishing II A course designed to build on the skills acquired in Publishing I. Students plan, design, and develop complex documents and develop enhanced graphics while using journalistic principles and design concepts to communicate the intended message of the publication. Concepts addressing print publication requirements (CMYK, spot colors, bleed, creep, etc.) and Web publication requirements (RGB, font issues, etc.) are studied. Documents will be finalized and ready for commercial printing. Students have the opportunity to earn Advanced Adobe Certification.	4012 CTE OS - Administrative Services (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
111530	Interactive Media - Graphics I A course designed to allow students to develop skills in formatting and editing raw visual layouts and illustrations using appropriate print, 3D, and animation software. Skills to be acquired include mapping, lighting, camera techniques, animation planning,	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)

	and storyboard development. Emphasis is placed on preparing materials to web/print industry standards. Students have an opportunity to earn Adobe Certification in Photoshop and Illustrator.	
111534	Interactive Media - Graphics II A course designed to focus on project-based applications of concepts addressed in Media: Graphics I. The projects may integrate skills with school, business or community needs. Students have an opportunity to earn Advanced Adobe Certification in Photoshop and Illustrator.	4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9093 CTE - Business Technology Education (6-12)
120090	Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

High School of Business (HSB) Pathway

120980	Work-Based Learning - Business Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Business Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129990	HSB Leadership 9th Grade, One Semester (With HSB Wealth Management, this course is a prerequisite course for remainder of HSB courses) Leadership, a project-based leadership course, develops student understanding and skills in such areas as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. To encourage immediate implementation of leadership skills, Leadership utilizes an on-going service-learning project for course delivery and reinforcement. The course content is sequenced for students to identify, plan, implement, and evaluate a service-learning project based on the needs of their	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	community/school. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an ongoing component of the course. NOTE: This course is to be delivered only in an approved High School of Business program.	
129991	HSB Wealth Management 9th Grade, One Semester (With HSB Leadership, this course is a prerequisite course for remainder of HSB courses) This project-based financial literacy and investment course develops student understanding and skills in such areas as personal finance, types of investments, the stock market, and stock valuation. Students acquire an understanding and appreciation of the need for personal financial management and investing. To encourage immediate implementation of financial literacy and investment skills, Wealth Management utilizes an on-going investment project for course delivery and reinforcement. The course content is sequenced for students to develop a diversified, balanced investment portfolio based both on their interest in products and companies and on fundamental analysis. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. NOTE: This course is to be delivered only in an approved High School of Business program.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129992	HSB Principles of Business Recommend 10th Grade, One Semester Principles of Business, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course. NOTE: This course is to be delivered only in an approved High School of Business program.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129993	HSB Business Economics Recommend 10th Grade, One Semester; Prerequisite: HSB Principles of Business In Business Economics, a project-based business course, students expand their understanding that businesses are influenced by external factors that are often beyond their control. Consumer spending, government policies, economic conditions, legal issues, and global competition are addressed through practical, current applications to everyday societal and business life. Decision matrices are introduced, and the importance and costs of quality are stressed. Students develop their knowledge and	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	skills in such areas as economics, entrepreneurship, operations, and professional development. Throughout the course, students will be presented with current economic problems for which they are asked to determine solutions, often through the application of decision matrices. NOTE: This course is to be delivered only in an approved High School of Business program.	
129994	HSB Principles of Marketing Recommend 11th Grade, One Semester; Prerequisites: Principles of Business and Business Economics Principles of Marketing is a project-based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. Decision matrices are employed to aid in market planning. NOTE: This course is to be delivered only In an approved High School of Business program.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129995	HSB Principles of Finance Recommend 11th or 12th Grade, One Semester; Prerequisites: Principles of Business and Business Economics Principles of Finance furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business course, Principles of Business. Through multiple projects, students make connections between accounting, with an emphasis on cash flow, and finance, with an emphasis on decision-making. Students acquire an understanding of financial statements, calculate financial ratios, and make business decisions based on their interpretation of those financial statements and ratios. In addition, students determine business-financing options, as well as develop an appreciation for types of financial service providers and financial markets. Decision matrices are employed to aid in financial planning. NOTE: This course is to be delivered only in an approved High School of Business program.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
129996	HSB Principles of Management Recommend 11t or 12th Grade, One Semester: Prerequisites: Principles of Business and Business Economics Principles of Management is a project-based business course that expands student understanding of management. Students acquire an appreciation for aspects of management, such as project management, human resources management, knowledge management, quality management, and risk management. In addition, ethical and legal considerations affecting business activities are stressed, and students develop managerial and supervisory skills through interaction with lower grade-level	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	High School of Business™ students. Decision matrices are employed to aid in management planning. NOTE: This course is to be delivered only in an approved High School of Business program.	
129997	CAPSTONE: HSB Business Strategies Prerequisites: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, and Principles of Management Business Strategies serves as the capstone course for the High School of Business™ program. Students employ their decision matrices to finalize marketing, financial, and management plans developed previously, incorporating them into a business plan for a non-profit organization. The non-profit venture is actualized during the course, requiring students to engage in risk assessment, strategic planning, and performance assessment. NOTE: This course is to be delivered only in an approved High School of Business program.	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Hospitality Management Pathway

100050	Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
102030	Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.	1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120010	Business Essentials A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12)

	integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120090	Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120540	Business Law/Ethics Applications A course designed to provide students with an overview of civil and criminal law, as it relates to business principles and practices. Topics include ethics, an overview of the legal system, court procedures, criminal/civil justice systems, oral and written contracts, and consumer protection.	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE OS - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120552	Business Management A course designed to introduce students to essential business and marketing competencies required for business operations. Units of instruction include general business and management principles, leadership, salesmanship, marketing/entrepreneurship, public speaking, and the use of accounting information for making business decisions.	1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121040	Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121640	Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
160550	Hospitality Management I	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12)

	A course designed to provide students with the skills and knowledge in the areas of hospitality Management. In this course, students will understand and apply event planning, lodging management and project management principles.	9093 CTE - Business Technology Education (6-12)
160551	CAPSTONE: Hospitality Management II A capstone course designed to provide students with the essential skills and knowledge in hospitality management. In this course, students will learn and apply facilities operations management, project management, hospitality marketing, and the overall management of the hospitality industry. Students will have the opportunity engage in work-based learning experience in the hospitality management career field. Students have an opportunity to earn HTMP Certification.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
160981	Work-Based Learning - Hospitality Management This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Hospitality Management pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 1087 CTE OS - Hospitality Management (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
161511	Travel & Tourism A course of study which provides an introduction to the travel and tourism industry. Students are given an overview of the various components of the industry, a history of the industry, an introduction to marketing and to the various exciting careers available in travel & tourism. Students also engage in a case study of their own particular city and study the latest trends which are impacting on the way people travel both for leisure and for business.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
161520	English for Travel & Tourism A course of study in American literature (selected works are travel related) combined with an emphasis on oral as well as written communication. Students are prepared for the work world through a series of lessons on resume preparation and job-interview techniques.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
161521	Promoting Hospitality and Tourism This course will offer marketing students an opportunity to further explore the travel and tourism industry. Students will take a deeper dive into understanding the ways travel and tourism is currently marketed and can begin to develop their own campaign to promote travel and tourism opportunities in Idaho. Students will have an opportunity to present their campaign to destination staff.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

161522 Travel & Tourism II: Travel as a Business A course of study which provides students with a more in-depth study of particular components of the travel and tourism industry. Through an examination of the airline, hotel, cruise line and other industries within hospitality and travel, students are able to explore the various career opportunities and trends which are affecting each component of this vast industry.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
161530 Geography for Travel & Tourism A course of study which is geared at having students develop broad geographic skills. In addition to learning how to utilize the basic tools of the geographer, students learn how economics, culture, history and political issues all impact upon geography and how geography impacts upon these other disciplines.	1087 CTE OS - Hospitality Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

Marketing Pathway

100050 Business Computer Applications I A course designed to introduce students to the use of industry standard computer applications used for solving business problems. Career awareness, employment skills, and contextualized business problems represent the theme of the course. Topics include an introduction to operating systems and file management; the use of word processing software for purposes of creating basic business documents; the use of spreadsheet software for storing data and solving mathematically based problems; and the use of presentation software to support the delivery of effective presentations. Students have the opportunity to earn MOS Certifications.	1087 CTE OS - Hospitality Management (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9093 CTE - Business Technology Education (6-12)
102030 Introduction to Interactive Media A course designed to introduce students to interactive technologies. Topics include designing, editing, and producing video, audio and graphical elements using digitally generated or computer-enhanced media.	1087 CTE OS - Hospitality Management (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120010 Business Essentials A course designed to introduce students to career exploration strategies with a focus on foundational skills and knowledge necessary for occupations in business. Establishment of employability traits will occur through the study and development of interpersonal, communication and leadership skills and knowledge. The course includes integration of skills and knowledge in reading, writing, mathematics, and economics as they relate to business occupations.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

120090 Business Communications A course designed to provide essential skills and knowledge required in workplace and business settings. The course content addresses written and oral communication and competencies that include writing, speaking, listening, and interpreting. Technology is applied as an integral aspect of business communication.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120560 International Business/Marketing A course designed to provide students an introduction to international business and marketing. Topics will include exporting and importing basics, international economics and finance, distribution, laws and regulations, entrepreneurship, trade documentation, and employability skills.	1010 CTE OS - Marketing (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
120561 CAPSTONE: Business Marketing A capstone focused on the business and marketing world of finance, economics, law, management, entrepreneurship, and marketing and trade.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121040 Accounting I A course designed to emphasize accounting principles as they relate to the basic understanding and skills required in keeping manual and computerized financial records for a business. Emphasis is on providing basic skills for the accounting profession and/or preparation for further study in accounting. Accounting I may include software applications.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121530 Fashion Merchandising & Marketing A course designed to provide an introduction and overview of the international business industry of Fashion Design and Merchandising including apparel & accessories marketing. Students will learn about the major components of the industry including fashion design, apparel classifications, and accessories. Additionally, students will learn about marketing strategies in fashion.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121610 Retail Merchandising A course designed to develop an understanding of the basic principles of product acquisition, pricing, inventory management, visual merchandising and advertising.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121630 Sports & Entertainment Marketing A course designed to allow students to develop an understanding of the concepts and theories that apply to sports and entertainment marketing. This course covers basic marketing concepts such as target marketing and segmentation, sponsorship, event management/marketing, promotions, sponsorship proposals, and implementation of	1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

	sports and entertainment marketing plans. Students taking sports and entertainment marketing will have the opportunity to participate in DECA.	
121640	Principles of Marketing A course designed to focus on the fundamentals and functions of marketing as they relate to the competitive enterprise system. Marketing theory is presented and applied to business problems, practices, and the business environment and management systems.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121650	Principles of Promotion A course designed to provide students with an understanding of basic marketing principles and strategies used to promote products and services that satisfy customers' needs and wants. The course will focus on identifying and analyzing principles of product benefits and features, advertising strategies, promotion/display, store layout, and personal selling.	1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121670	Marketing Economics (Applied Economics) A course designed to provide students an understanding of economic theory and principles. Theories of the economic free enterprise system, with a focus on decision making and its relationship to how people produce, distribute, and consumer goods and services are examined.	1010 CTE OS - Marketing (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121671	Digital Marketing Prerequisite: Intro to Marketing, Web Design I, Graphic Design I and/or Video I The Digital Marketing course is designed to give students a general background in digital marketing and an introduction to the rapidly growing and evolving career field. Students will be exposed to the fundamental concepts and principles of the digital experience, learning tools and skills necessary for solving business problems, and developing marketing opportunities. This course will provide practical experience in, but not limited to e-commerce, media planning, branding, online advertising, display advertising, digital campaigns, social media marketing, and mobile media. BPA (Business Professionals of America) and DECA leadership activities are strongly tied to this course.	1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
121980	Work-Based Learning - Marketing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Marketing pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)

<p>121981 Marketing School-Based Enterprise A course which provides students with the opportunity to work in the school store lab and experience the various responsibilities of operating a business.</p>	<p>1010 CTE OS - Marketing (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>129985 Marketing Research A course designed to introduce students to the marketing research process including research design, field work, data collection, and finding and presenting results. The curriculum has a strong project-based learning structure and may work in conjunction with DECA students who are interested in completing marketing research projects for State and National level competition. This course provides excellent preparation for college.</p>	<p>1010 CTE OS - Marketing (6-12) 4015 CTE OS - Business Management/Finance (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>

ENGINEERING AND TECHNOLOGY EDUCATION (ETE)

Commercial Photography Pathway

110520 Photography Level I A course designed to introduce students to basic commercial photography.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)
110521 Photography Level II A course designed to provide students with commercial photography applications.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)
110522 CAPSTONE: Photography Level III A course designed to provide students with teamwork, creative thinking, problem solving, diagnostics and creative designing to industry standards.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)
111533 Media Technologies Fundamentals This course is designed to provide the basic fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)
111982 Work-Based Learning - Digital Media Technology Commercial Photography This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Digital Media Technology - Commercial Photography pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6192 CTE OS - Commercial Photography (6-12) 7016 CTE - Career Counselor (6-12)

Computer Support Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>100480 Work-Based Learning - Computer Support This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Computer Support pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>102530 Desktop Support I Students will plan, design, administer and troubleshoot a variety of instances of application systems including, but not limited to database, desktop o/s support, and various applications support utilizing existing business o/s and programs in a variety of hardware settings.</p>	<p>6153 CTE OS - Network & Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>
<p>102531 CAPSTONE: Desktop Support II Students must design and show application/operating system administration for a business or industry area problem. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.</p>	<p>6153 CTE OS - Network & Computer Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>
<p>102540 Computer Support Essentials This course maps to Comptia A+ computer maintenance and repair industry outcomes. Students may choose to sit for the A+ certification. This course must be taken in either the Network Support Program or Information Support & Services Program.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>

Digital Media Production Pathway

111030 Broadcast/Video Technologies Level I A course designed to introduce students to the basic concepts of the broadcast technology field.	6197 CTE OS - Digital Media Production (6-12)
111031 Broadcast/Video Technologies Level II A course designed to cover the technical aspects of the broadcast field, audio and video equipment usage.	6197 CTE OS - Digital Media Production (6-12)
111032 CAPSTONE: Broadcast/Video Technologies Level III A course designed to provide students with opportunities to produce, direct, host, and write programs to be aired on commercial and public media.	6197 CTE OS - Digital Media Production (6-12)
111533 Media Technologies Fundamentals This course is designed to provide the basic fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)
111981 Work-Based Learning - Digital Media Technology Broadcasting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Digital Media Technology - Broadcasting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6197 CTE OS - Digital Media Production (6-12) 7016 CTE - Career Counselor (6-12)

Drafting & Design Pathway

211021 Drafting I An entry level course in communications systems which addresses the concepts needed to transfer ideas to easily understood graphic languages, designs or drawings. The use of drawing tools, including mechanical devices and industry standard computer software, are essential for student studies. Each of the major areas of drafting and design should be explored on an introductory level.	6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)
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<p>211022 Drafting II This course is a continuation of Drafting I. This course provides intermediate CAD (Computer-Aided Drafting) students with advanced techniques and processes related to the various drafting and design industries. Areas of study include the development of advanced CAD and sketching Skills and either mechanical or architectural drafting and design concepts. The appropriate use of technology and industry-standard equipment is an integral part of this course.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)</p>
<p>211023 CAPSTONE: Drafting III This course is a continuation of Drafting II. This course provides advanced CADD (Computer-Aided Drafting and Design) students with instruction in advanced techniques and processes. The students will continue to develop all skills learned in Drafting and Design I and II. Areas of study include either mechanical or architectural drafting and design concepts. The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 6131 CTE OS - Architectural Drafting Technology (6-12) 6132 CTE OS - Mechanical Drafting Technology (6-12)</p>
<p>211025 3D Solid Modeling Learning 3D design is an interactive process. Students learn best when they can explore the practical applications of the concepts that they learn. This STEM course has many activities and exercises that enable students to put design concepts into practice. Students create their ideas such as artificial heart components, extreme sports equipment, hip replacement parts, robotic arm components, musical instruments and their parts as well as many others. Ideas become reality in this course.</p>	<p>6130 CTE OS - Drafting and Design (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>211480 Work-Based Learning - Drafting and Design This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Drafting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6130 CTE OS - Drafting and Design (6-12) 7016 CTE - Career Counselor (6-12)</p>

ETE Cluster Only

<p>100130 PLTW Computer Science Essentials</p>	<p>6157 CTE OS - Computer Science PLTW (6-12)</p>
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	Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science A exam, PLTW Computer Science A (formerly known as PLTW Computer Science Applications) course focuses on extending students' computational thinking skills through the use of various industry-standard programming and software tools. In these courses, students collaborate to design and produce solutions to real-life problems.	9400 CTE – Computer Science (6-12)
100140	PLTW Computer Science A Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science A exam, PLTW Computer Science A (formerly known as PLTW Computer Science Applications) course focuses on extending students' computational thinking skills through the use of various industry-standard programming and software tools. In this course, students collaborate to design and produce solutions to real-life problems.	6157 CTE OS - Computer Science PLTW (6-12) 9400 CTE – Computer Science (6-12)
100150	PLTW Computer Science Principles Following Project Lead the Way's suggested curriculum to prepare students for the College Board's Advanced Placement Computer Science Principles exam, PLTW Computer Science Principles (formerly known as PLTW Computer Science and Software Engineering) course is designed to help students develop computational thinking and introduce students to possible career paths involving computing. This course helps students build programming expertise and familiarity with the Internet using multiple platforms and programming languages. Course content may include application development, visualization of data, cybersecurity, and simulation.	6157 CTE OS - Computer Science PLTW (6-12) 9400 CTE – Computer Science (6-12)
100160	PLTW Cybersecurity Following Project Lead the Way's suggested curriculum, PLTW Cybersecurity course introduces students to the tools and concepts of cybersecurity. In this course, students are encouraged to understand vulnerabilities in computational resources and to create solutions that allow people to share computing resources while retaining privacy. This course also introduces students to issues related to ethical computing behavior.	6157 CTE OS - Computer Science PLTW (6-12) 9400 CTE – Computer Science (6-12)
100190	Computer Science I AP® Computer Science Principles - Computer Science I introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE – Computer Science (6-12)
100191	Computer Science II	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12)

	<p>AP® Computer Science Principles - Computer Science II introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.</p>	<p>6153 CTE OS - Network & Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE – Computer Science (6-12)</p>
100192	<p>Computer Science III AP® Computer Science Principles - Computer Science III introduces students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. This course teaches students to apply creative designs and innovative solutions when developing computational artifacts. This course covers such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6155 CTE OS - Computer Science/Information Technology (6-12) 9400 CTE – Computer Science (6-12)</p>
100470	<p>Computer Science Advanced Studies This course is offered to students who have achieved all content standards in a program and whose desire is to pursue advanced study through investigation and in-depth research. Students are expected to work independently or in a team and consult with their supervising teacher for guidance. The supervising teacher will give directions, monitor, and evaluate the students' topic of study. Coursework internships and job shadowing, involvement in a school-based enterprise, completion of a capstone project, and/or portfolio development. This course may be repeated for additional instruction and credit.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12)</p>
110010	<p>Communication Systems I Communication Systems I is a comprehensive course designed for a broad approach to the field of study. This is a course designed to develop an understanding of contemporary communication principles and devices. Students develop graphic and electronic communication projects through the use of various media. Activities typically include engineering and technical concepts of sketching, drafting, screen printing, computer-assisted graphics, technical presentations, photography, audio, and video production. Students learn to apply the elements of good design to communication products.</p>	<p>9981 CTE - Technology Education (6-12)</p>
110020	<p>Communication Systems II Communication Systems II is a comprehensive course designed for a broad approach to the field of study and uses the skills and insights gained from Communication Systems I. Students develop detailed and integrated communication projects and concepts. Students produce a variety of technical presentations using telecommunications, computer applications, graphics, and photography. This course is designed for students</p>	<p>9981 CTE - Technology Education (6-12)</p>

	planning to enter business, education, marketing, sales, and advertising or planning to major in science, engineering, or technical fields related to communications.	
110552	Video Editing Technology This course is offered to students who wish to pursue careers in the broadcast industry and related telecommunications fields. Students will be required to make videos and edit the material to make a comprehensive presentation on specific topics. Common recording and digital applications will be studied with specific emphasis on commercial applications. The course may involve preparing video for sporting events, drama, and closed-circuit television broadcasts. Story boarding and script development are integral components of the course.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9981 CTE - Technology Education (6-12)
111535	Digital Imaging Technology This course is offered to students who wish to pursue careers in the field of photography and computer graphics. Studies will include the design and manipulation of images to develop communications media and productions. Still and motion images will be developed, printed, copied, edited and/or projected in a studio environment or presentation format. Emphasis will be placed on industrial applications of digital imagery.	6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 9981 CTE - Technology Education (6-12)
130020	Manufacturing Systems I Manufacturing Systems I is a comprehensive course involving a multitude of applications in the manufacturing fields and is designed for a broad approach to the field of study. A course designed for students to study general concepts and principles of manufacturing systems. Working individually and in teams, students design products, develop and conduct market surveys, develop financial and personnel strategies, advertise, market, and produce products using contemporary manufacturing methods. The course is designed for students interested in product design, creative problem solving, creation of prototypes, computer-assisted design and manufacturing, basic entrepreneurial skills, and engineering concepts.	9981 CTE - Technology Education (6-12)
130021	Manufacturing Systems II Manufacturing Systems II is a comprehensive course involving a multitude of applications in the manufacturing fields and is designed for a broad approach to the field of study and to build on the knowledge and skills gained from Manufacturing Systems I. Students pursue more detailed and integrated manufacturing and production projects and will study and design manufacturing systems. Students continue to use creative problem-solving skills, design tools and processes, and apply manufacturing techniques with increasing sophistication. Projects are designed and produced using computer-assisted manufacturing applications, computer numerically controlled machines and robotics. This course has been developed for students	9981 CTE - Technology Education (6-12)

	pursuing careers in manufacturing as a designer, drafter, industrial manager, technician or engineer.	
170020	Construction Systems I Construction Systems I is a comprehensive course involving a multitude of applications in the construction field and is designed for a broad approach to the field of study. The course is designed to introduce classical and contemporary elements, principles and processes of structural systems. Architectural and engineering subjects are studied through research, design, project development and assessment. Students explore the relationship of materials, form, function, and culture of notable past and present structures through practical applications and modeling techniques.	9981 CTE - Technology Education (6-12)
170021	Construction Systems II Construction Systems II is a comprehensive course involving a multitude of applications in the construction fields and is designed for a broad approach to the field of study. Students of Construction Systems II continue their study of structural systems through research, developing solutions, creating designs, building models and critiquing their work. Working individually and as team members, students apply the skills and insights from the previous course to pursue progressively demanding concepts and relationships of structural systems. Advanced level students are given greater freedom to explore individual topics of interest within the area of structural systems.	9981 CTE - Technology Education (6-12)
170070	Introduction to Cabinetry This course is provided as a base level for students interested in careers in construction but more specifically for finish carpentry. Students will be given opportunities to build basic cabinet style models and learn finishing and staining techniques. Projects developed in this class may be craft related and are designed so that students learn how to properly use the equipment commonly found in commercial cabinetmaking businesses.	9981 CTE - Technology Education (6-12)
170074	Advanced Cabinetry Students taking this course are exposed to advanced woodworking applications and specialized equipment commonly found in industrial shops. Tables, curios, desks, and residential furnishings will be constructed. Specialized finishing techniques will be taught with emphasis on accuracy and detail of the finished product. Design, function, and durability of the product will be established as outcomes for the course.	9981 CTE - Technology Education (6-12)
171060	Introduction to Electronics Technology An entry level course in Power, Energy and Transportation Systems which provides critical information about the vast number of Electrical/Electronic Technological applications important to daily living. Primary instruction will center on the major Laws of electronics with simple circuits and electronic components found in industrial and	9981 CTE - Technology Education (6-12)

	consumer equipment and appliances. This course provides the flexibility for many laboratory activities that reflect the technical and social nature of our modern society.	
171061	Electronics Applications This is an advanced level course in electronics that covers theory and application of electronic principles and practices. Students will be expected to design, build and troubleshoot circuits and electronic components. Significant laboratory time is required to offer the students the skills necessary to complete advanced level assignments on working models and training devices.	9981 CTE - Technology Education (6-12)
201010	Power, Energy, and Transportation Systems Power/Energy and Transportation Systems I is a comprehensive course involving a multitude of applications in the transportation, power and energy fields and is designed for a broad approach to the field of study. Students enrolled in this course will explore sources, storage, transportation, consumption, control, environmental impacts, and conservation of power, energy and transportation. Land, ground effects, water, air, space and inter-modal transportation systems will be explored with practical activities emphasizing relevant scientific and engineering concepts. Activities include defining problems, designing prototypes, using computer-assisted applications, constructing models, and testing prototypes using appropriate tools such as wind tunnels and performance tests.	9981 CTE - Technology Education (6-12)
201011	Power, Energy, and Transportation Systems II Power/Energy and Transportation Systems II is an advanced level comprehensive course involving a multitude of applications in the transportation, power and energy fields and is designed for a broad approach to the field of study. Students will continue to build on their knowledge of transportation systems by experimenting with increasingly complex systems and concepts. Guidance, inter-modal and urban transportation systems are explored. Students continue to seek solutions to problems through research and design, prototype development and experimentation. Students perform technological assessments on transportation topics of interest.	9981 CTE - Technology Education (6-12)
210091	Robotics Applications Advanced level design and applications of robots in industrial and consumer markets will be explored. Students will design multi-level robotic applications for use in manufacturing, transportation, storage and handling, chemical, biological and other industrial areas. Sophisticated electronic circuitry and advanced type materials and composites will be used in the design and construction of working models. Student will program industrial-type robots and design manufacturing models that will distinguish between materials, shapes, quality, and other characteristics of products to be sorted and stored. Transportation models and consumer robots may be designed and studied as an alternative to manufacturing applications.	9981 CTE - Technology Education (6-12)

<p>210092 Introduction to Robotics This is an introductory course in the design, use and technology of robots commonly found in industrial and consumer applications. Students will design model robots using mechanical devices and explore computer-controlled applications. Applications of specialized materials and composites will be studied to determine structural and durability characteristics. Electronic components and electro-mechanical devices will be studied and used in model development. Basic programming languages will be introduced.</p>	<p>9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210093 Robotics & Automation Machining made easy! CAMWorks is an easy-to-use intuitive solids-based CAM solution that helps manufacturers increase productivity and profitability through best in-class technologies and adaptable automation tools that maximize machining efficiencies. CAMWorks seamless integration within SolidWorks allows for instant changes from the part to the model and thereby eliminates time consuming CAM system rework due to design updates. CAMWorks thus enabling true associative machining. CAMWorks helps manufacturers across aerospace, automotive, electronics and medical industries optimize and evolve their automation process.</p>	<p>9401 CTE – Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>211020 Introduction to Drafting/Design Technology An entry level course in Communications Systems which addresses the concepts needed to transfer ideas into easily understood graphic languages, designs or drawings. The use of drawing tools, including mechanical devices and computer software, are essential for student studies. Each of the major areas of drafting and design should be explored on an introductory level.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>211030 Introduction to Architectural Design An entry level course in Communications Systems designed to prepare students with basic skills that support the fields of architectural development. Architectural drawings include assignments that relate to residential, light commercial, marine and aerospace-related structures. Course must include the use of computer applications.</p>	<p>9981 CTE - Technology Education (6-12)</p>
<p>211063 Introduction to Mechanical Drafting/Design A course in Manufacturing Systems designed to develop students' basic entry level skills in the development of multi-view and pictorial drawings. Instruction includes work on detailed drawings, gears and cams, sectioning, threads/fasteners and piping. ANSI standards will be incorporated into each assignment. Course must include the use of computer applications.</p>	<p>9981 CTE - Technology Education (6-12)</p>

Graphic Design Pathway

<p>111533 Media Technologies Fundamentals This course is designed to provide the basic fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>
<p>111540 Graphic Communications Level I This course is designed to introduce students to basic graphic/printing. The course will include digital photo/graphics, and computer graphics.</p>	<p>6190 CTE OS - Graphic Design (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>111541 Graphic Communications Level II A course designed to provide students with graphic printing applications including digital and computerized graphics. Transfer of images from digital processes to paper and other media is included as well as transferring paper images to digital files for modification. Pre-press and copy production skills include set-up, image development, layout, and final draft copy.</p>	<p>6190 CTE OS - Graphic Design (6-12)</p>
<p>111542 CAPSTONE: Graphic Communications Level III A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, designing, and computer graphics from basic digital images to final print. Students will be provided opportunities to prepare finished products such as newsletters, catalogs, and school publications. All work will be performed to industry standards.</p>	<p>6190 CTE OS - Graphic Design (6-12)</p>
<p>111980 Work-Based Learning - Graphic Design This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Graphic Design pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6190 CTE OS - Graphic Design (6-12) 7016 CTE - Career Counselor (6-12)</p>

Journalism Pathway

<p>111010 Journalism Level I An entry level course which provides instruction in the basic skills and techniques needed in the field of journalism. The use of electronic desktop publishing as a means of producing for the journalistic media is explored. The content should include, but not be limited to the following: Recognition of and writing news; development of editorials, sport articles, and feature stories; workshop experience in photography, lay-outs, advertising, printing, and other practical aspects of journalistic enterprise.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12)</p>
<p>111011 Journalism Level II A course which provides students with actual hands-on experiences associated with publishing a tabloid newspaper. Writing, editing, photographic layout, desktop publishing, legal and ethical issues, and business management skills are emphasized. Students actually perform all the skills necessary to produce a monthly school newspaper. Assignments for video notebooks and or technical writing for the development of technical manuals may be typical assignments.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12)</p>
<p>111012 CAPSTONE: Journalism Level III A course which provides students with actual hands-on experiences associated with producing photographic works for the school and special activities. Creating, editing, photographic layout, desktop publishing and business management skills are emphasized. Students actually perform all the skills necessary to produce various school photos and/or special projects.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12)</p>
<p>111480 Work-Based Learning - Digital Media Technology - Journalism This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Digital Media Technology - Journalism pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>111533 Media Technologies Fundamentals This course is designed to provide the basic fundamental competencies for the media technologies cluster courses and is to be offered as the beginning course at the freshman/sophomore level. Legal and ethical issues, fundamental tool and equipment skills, transferable knowledge sets, employability skills, communication skills, and terminology used throughout the industry will be discussed.</p>	<p>6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12)</p>

Network Support Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>101010 Networking Support I This course covers LAN segmentation using routers, basic router configurations, LAN switching theory, virtual LANs, and basic LAN design technologies. The course also introduces WAN theory and design, WAN technology, encapsulation methods, and network troubleshooting. Maps to CCENT and/or Compia Network+ industry outcomes.</p>	<p>6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)</p>
<p>101030 CAPSTONE: Networking Support II This course covers LAN segmentation using routers, advanced router configurations, LAN switching theory, virtual LANs, and advanced LAN design technologies. The course also introduces WAN theory and design, WAN technology, encapsulation methods, and network troubleshooting. Server security. Maps to CCENT and/or Compia Network+, Service + industry Outcomes.</p>	<p>6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12)</p>
<p>101481 Work-Based Learning - Network Support This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Network Support pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>102540 Computer Support Essentials This course maps to Compia A+ computer maintenance and repair industry outcomes. Students may choose to sit for the A+ certification. This course must be taken in either the Network Support Program or Information Support & Services Program.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12)</p>

Pre-Engineering (Engineering By Design – EbD) Pathway

<p>210030 Fundamentals of Engineering Technology Fundamentals of Technology is a prerequisite course for most of the Technology Education systems. The computer and other electronic devices are necessary for teaching an understanding of contemporary communications, manufacturing, power/energy/ transportation and construction systems. An engineering focus of problem solving requires students to define a given problem, conduct appropriate research, develop solutions to the problem, construct prototypes, and evaluate their work. This course is designed to introduce students to those principles and skills used in subsequent technology courses. Students learn to sketch solutions to problems, create technical drawings and presentations, build models, and apply creative problem-solving methods. Emphasis is placed on accessing and communicating information, using simple and complex tools in a safe manner, and increasing the students' awareness of the historical and contemporary implications of technology. Students are introduced to computer-aided graphics, design software, and computer-aided manufacturing. Students develop an understanding of the tools, techniques, and processes of technology using design principles, computers, problem solving and model making.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210051 Technological Design In Engineering Design, engineering scope, content, and professional practices are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students will research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210062 CAPSTONE: ITEEA Engineering Design Engineering Design will offer students the opportunity to understand and apply knowledge and skills required to create and transform ideas and concepts into a product that satisfies specific customer requirements. Students will experience design engineering in the creation, synthesis, iteration, and presentation of design solutions. Students will coordinate and interact in authentic ways to produce the form, fit, and function documentation with appropriate models to completely define a product. This course will maintain a focus on how engineers apply their creativity, resourcefulness, mathematical, scientific, and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential, and iterative design and development process to solve authentic engineering tasks/problems. Students will be challenged to participate as members of engineering teams within a typical business organization. Independent and</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

	<p>group work will be reflective of authentic engineering projects found in the designed world. Student performance within this structure will be assessed in numerous and diverse ways. It is important to note that measurement of student performance will be reflective of actual professional engineering evaluative processes currently used in this career field. Both independent and collaborative work will be carefully analyzed as students perform within an authentic engineering enterprise environment. The following major 'topics' or 'chapters' will be included to organize instruction of appropriate standards and benchmarks and reflect contemporary engineering industry practices: • Principles of Design • Engineering Resources • Engineering Design Process • Project Management.</p>	
210090	<p>Robotics Engineering Engineering Design builds foundational design skills for students by starting with the most basic sketching applications and ends with advanced assemblies and automated manufacturing machining projects.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
210480	<p>Work-Based Learning - Pre-Engineering Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Pre-Engineering Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 5015 CTE OS - Pre-Engineering Technology (6-12) 7016 CTE - Career Counselor (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
210520	<p>Advanced Design Applications Advanced Design Applications consists of four units including Manufacturing, Energy and Power, Construction and Transportation. The Manufacturing unit examines the advances that maintain manufacturing efficiency, how human consumption affects manufacturing, how manufacturing affects the standard of living of various peoples, and how processing and changing raw materials can produce more desirable products. The Construction unit examines a number of the factors influencing the design and construction of permanent and semi-permanent structures, the practices related to construction maintenance, alteration, and renovation, and the functions of the primary systems installed in those structures. The Energy & Power unit explores the relationship between energy and power technologies and all other technologies, and how modern energy and power systems impact cultures, societies, and the environment. It also offers an examination of how energy and power systems can be made more efficient and how they may be utilized in problem solving. The Transportation unit examines the complex networks of interconnected subsystems that each transportation system comprises and the roles of these components in the overall functional process of the</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

<p>system. It also analyzes of the improvements and the impacts of transportation technologies on the environment, society, and culture.</p>	
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Pre-Engineering (Project Lead the Way - PLTW) Pathway

<p>210050 Principles of Engineering A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210060 Introduction to Engineering Design A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210061 Digital Electronics A course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210064 CAPSTONE: Engineering Design and Development An engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210100 Computer Integrated Manufacturing A course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>210120 Civil Engineering & Architecture This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>

	Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. The course covers topics such as: the roles of Civil Engineers and Architects; project planning; site planning; building design; project documentation; and, presentation.	
210130 Aerospace Engineering	Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity).	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
210140 Biotechnical Engineering	Relevant projects from the diverse fields of biotechnology, bioengineering, biomedical engineering, and bio-molecular engineering enable students to apply and concurrently develop secondary-level knowledge and skills in biology, physics, technology, and mathematics.	5015 CTE OS - Pre-Engineering Technology (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
210480 Work-Based Learning - Pre-Engineering Technology	This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Pre-Engineering Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 5015 CTE OS - Pre-Engineering Technology (6-12) 7016 CTE - Career Counselor (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)

Programming & Software Development Pathway

100030 Fundamentals of Information Systems Technology	This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 9093 CTE - Business Technology Education (6-12) 9400 CTE - Computer Science (6-12)
100210 Cloud Computing I	This course covers the basic understanding of cloud computing. In this course students will learn the basic structure of the cloud, virtual servers, virtual storage, cloud security,	6151 CTE OS - Programming & Web Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12)

	databases, and cloud optimization. This course prepares the student for the AWS Cloud Practitioner Certification.	9400 CTE – Computer Science (6-12)
100211	Cloud Computing II This course covers the basic understanding of cloud computing. In this course students will expand their learning in cloud computing. This course will cover shared security; advanced cloud services; dynamic web services; artificial intelligence; machine learning; Internet of things, big data, big data processing; and blockchain/cryptocurrency. This course prepares the student for the AWS Cloud Practitioner Certification.	6151 CTE OS - Programming & Web Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)
101522	Programming & Software Development I This course provides the beginning programmer with a solid foundation in programming fundamentals, using visualization and application. Designed for beginners with little or no previous programming experience, this course teaches students the fundamentals behind all programming languages. By putting standard concepts, like input, output, selection, and repetition, at the forefront, students will gain knowledge and insight that is easily transferable to other languages.	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6158 CTE OS - Programming & Software Development (6-12) 9400 CTE – Computer Science (6-12)
101523	Programming & Software Development II This course provides the beginning programmer with object-oriented programming concepts. The course reviews basic programming concepts such as structure, decision making, looping, arrays, and method calling and enforces good style and logical thinking. Advanced topics include inheritance, exceptions, GUIs, events, and files.	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6158 CTE OS - Programming & Software Development (6-12) 9400 CTE – Computer Science (6-12)
101524	CAPSTONE: Programming & Software Development III This course is designed to be a capstone experience for the student where they will apply knowledge and skills learned throughout their course of study as they apply advanced programming and development topics. Students in this course will also investigate current and emerging technologies. This course will also provide an introduction to Systems Analysis and Design. Topics include analyzing cases, requirements modeling, data and process modeling, and development strategies. Students also learn about output and user interface design, data design, systems architecture and implementation, and systems operation, support and security.	4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6158 CTE OS - Programming & Software Development (6-12) 9400 CTE – Computer Science (6-12)
101980	Work-Based Learning - Programming & Software Development This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Programming & Software Development pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 7016 CTE - Career Counselor (6-12) 9400 CTE – Computer Science (6-12)

Web Design & Development Pathway

<p>100030 Fundamentals of Information Systems Technology This course is a survey of computer technologies. This course may include ethics of computer and network use, web design, introduction to graphics, animation, computer hardware and operating systems, elementary networking, troubleshooting and programming. (The student should have prior knowledge of an “office suite” to include but not be limited to word processing, spreadsheet, database, and presentation software.)</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 9093 CTE - Business Technology Education (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>100210 Cloud Computing I This course covers the basic understanding of cloud computing. In this course students will learn the basic structure of the cloud, virtual servers, virtual storage, cloud security, databases, and cloud optimization. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	<p>6151 CTE OS - Programming & Web Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>100211 Cloud Computing II This course covers the basic understanding of cloud computing. In this course students will expand their learning in cloud computing. This course will cover shared security; advanced cloud services; dynamic web services; artificial intelligence; machine learning; Internet of things, big data, big data processing; and blockchain/cryptocurrency. This course prepares the student for the AWS Cloud Practitioner Certification.</p>	<p>6151 CTE OS - Programming & Web Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 9400 CTE – Computer Science (6-12)</p>
<p>102012 Web Design & Development I Students enrolled in this course will learn the fundamentals of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and their vital relationship to each other. Students will distinguish the use of HTML and CSS as to content and presentation. Students will demonstrate knowledge of W3C compliant websites.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>
<p>102013 Web Design & Development II This course is designed to teach the student the process of creating, designing, and publishing a web page. Web page media will be developed for the World Wide Web using Industry Standard development tools. The course will take the student from the initial design to the launching of the accessible web site.</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>
<p>102015 CAPSTONE: Web Design & Development III Students in this capstone class design, develop, and deploy fully functional eCommerce websites, to create an Internet storefront for small businesses. The client-side is developed as an attractive and functional customer user interface, created with HTML5,</p>	<p>4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12)</p>

<p>CSS3, and JavaScript along with contemporary libraries and frameworks such as JQuery. The server-side is based on a database such as MySQL, which stores logins, customer information, a catalog of products and services, and the other essential information needed for a small business. The client-side and server-side dynamically interact using languages such as PHP and SQL. Students will primarily develop all of this on a LAMP stack (Linux Apache MySQL PHP), or an equivalent such as XAMPP or WAMP, but also be able to explore emerging technologies such as noSQL databases and MEAN stacks.</p>	
<p>102481 Work-Based Learning - Web Design & Development This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Web Design & Development pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6159 CTE OS - Web Design and Development (6-12) 7016 CTE - Career Counselor (6-12)</p>

FAMILY AND CONSUMER SCIENCES & HUMAN SERVICES (FCS&HS)

Apparel and Textiles Pathway

192010	CAPSTONE: Fashion/Design and Merchandising This year-long course is the third level of Fashion and Textiles and it serves as a Career Technical School (CTS) capstone course. This capstone course prepares students for gainful employment and/or entry into postsecondary education in the apparel, fashion, and textiles industry. Content emphasis is on career opportunities; textile and garment design; trends and cycles; manufacturing and production; and business procedures in buying, selling, displaying, publicizing and advertising. Skill development in design, production and alteration will be included. Work-based experiences may be through a school-based enterprise or a community business partner. Fashion and Textiles, and Apparel Construction Fundamentals are prerequisites for this course. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to the Apparel and Textiles pathway, and FCCLA activities should be integrated into this course.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
192011	Fashion and Textiles This course introduces students to the various aspects of fashion, textiles, and garment construction including selection, characteristics, care, and repair techniques. This course reflects on fashion history, exposes students to the science of textiles, and requires students to demonstrate knowledge and skill in various applications of basic design. Students examine the social and psychological aspects of fashion, understanding how acquisition of clothing has changed over time. While Fashion and Textiles provides the preliminary essential component of a program pathway in Apparel and Textiles, coursework is beneficial to students as consumers today and in the future. This course is a prerequisite for Fashion Design and Merchandising. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this pathway, and FCCLA activities should be integrated into this course.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
192012	Fashion Strategies Fashion Strategies prepares individuals to understand the social, psychological, and physiological aspects of apparel and textiles. Focus is on the nature, acquisition, and use of apparel and textile products. Consumer and career information relative to the personal collection, design, knowledge of basic construction and maintenance of apparel and textiles products, and their effect of consumer choices on the individual and family. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

<p>192030 Apparel Construction Fundamentals This course will provide students with instruction in consumer and industrial machinery to construct garments and products. Instruction will include use, care, and troubleshoot industrial equipment. Students will learn to read commercial and digital patterns, implement construction order of operations, applying hand sewing, and sewing woven and knit fabrics. Course will include strong emphasis on studio etiquette, safety, and organization. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course, and FCCLA activities should be integrated into this course.</p>	<p>3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>192082 Work-Based Learning – Apparel and Textiles This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Apparel/Textiles pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

Cosmetology Pathway

<p>191010 Cosmetology I This course is an introduction to the cosmetology industry and its career opportunities. The student will have an opportunity to study the basic elements of hair design, skin and nail care. An emphasis on safety as it relates to the cosmetology industry will be studied. Topics include history & careers, safety & sanitation, scientific concepts, elements of hair design, hair styling, skin care, and nail care. SkillsUSA leadership activities are strongly tied to and should be integrated into this course.</p>	<p>6262 CTE OS - Cosmetology (6-12)</p>
<p>191011 Cosmetology II This course will introduce students to the basic application of cosmetology services and the study of hair chemistry and biology. Students will practice basic hair design techniques and learn the importance of professionalism in the industry. Students will perform services on manikins and in mock scenarios to gain an understanding of the salon communications requirements. Topics include professional image, safety & sanitation, salon-related business skills, physical services, and hair design techniques. SkillsUSA leadership activities are strongly tied to the Cosmetology pathway. SkillsUSA activities should be integrated into this course.</p>	<p>6262 CTE OS - Cosmetology (6-12)</p>

<p>191012 CAPSTONE: Cosmetology III This is the capstone course for the Cosmetology pathway and will provide students with practice in the techniques and concepts learned in prior courses. Students will be introduced to permanent waving chemistry, hair cutting and styling. Students will practice safety and sanitation as it applies to the cosmetology industry and will study the fundamentals of salon business practices and expectations to include safety & sanitation, scientific concepts, salon-related business skills, physical services, chemical services, and hair designing. Students are encouraged to gain industry experience while in this course. Cosmetology III may provide Technical Competency Credit towards a cosmetology program at a postsecondary technical college. SkillsUSA leadership activities are strongly tied to the Cosmetology pathway. SkillsUSA activities should be integrated into this course</p>	6262 CTE OS - Cosmetology (6-12)
<p>191480 Work-Based Learning - Cosmetology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Cosmetology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	0099 CTE OS - Work Based Learning Coordinator (6-12) 6262 CTE OS - Cosmetology (6-12) 7016 CTE - Career Counselor (6-12)

Culinary Arts Pathway

<p>160523 Introduction to Culinary Arts A course in professional food preparation with practical applications emphasizing career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, food service techniques, and employability skills. Work experiences may be in a school-based enterprise, district food service, local restaurants, or other food production establishments. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this pathway. FCCLA activities should be integrated into this course. Foods and Nutrition is a prerequisite for this course.</p>	3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
<p>160524 CAPSTONE: Advanced Culinary Arts Advanced Culinary Arts, a year-long course, is the third level of the Culinary Arts pathway and serves as a Career Technical School (CTS) capstone course. This course prepares students for gainful employment and/or entry into postsecondary education in the food</p>	3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

	production and service industry. Content provides students the opportunity to apply the marketable culinary arts and food service skills they have acquired by assuming increasingly responsible positions, including participation in a cooperative education experience. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the culinary pathway. FCCLA activities should be integrated into this course. Advanced culinary Arts may provide Technical Competency Credit towards a Culinary Arts program at a postsecondary technical college. Foods and Nutrition, and Introduction to Culinary Arts are prerequisite courses.	
160560 International Cuisine	This is a foundational course in the Family and Consumer Sciences Culinary Arts pathway. Students will learn foundational knowledge and skills linked to the Food Service/Culinary Arts industry. This course will include math, reading, problem solving, measuring, communications, time management, following directions, and collaboration. It will also address professional and personal effectiveness skills needed in the culinary arts instructional setting. FCCLA (Family, Career and Community Leaders of America) leadership activities are strongly tied to this pathway. FCCLA activities should be integrated into this course.	3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
160982 Work-Based Learning - Culinary Arts	This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Culinary Arts pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
222511 Foods and Nutrition	A course designed to provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, wellness and personal lifestyle. Content includes food safety and sanitation, proper use of equipment and utensils, meal management skills, nutrition, food purchasing, preparation techniques and careers in related fields. This course is a prerequisite for Culinary Arts, Hospitality Services and Tourism, Advanced Nutrition and Wellness, and International Cuisine. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to these pathways, and should be integrated into this course.	0074 CTE OS - Family & Consumer Sciences (6-12) 2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

Early Childhood Education Pathway

<p>191530 Early Childhood Professions A year-long course designed to prepare students to work with young children in a variety of occupational settings related to the young child. Emphasis is on employability skills, human development, care-giving techniques, lesson planning, and management skills. Work site experiences provide opportunities to observe, plan and direct activities for young children. Parenting and Child Development is a prerequisite for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Early Childhood Education pathway and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191531 CAPSTONE: Early Childhood Education This year-long course is the third level of Early Childhood Education pathway and it serves as a Career Technical School (CTS) capstone course. This course prepares students for gainful employment and/or entry into postsecondary education in the Early Childhood Education industry. The course is designed to prepare students to work with young children in a variety of occupational settings related to the young child. Emphasis is on employability skills, human development, care-giving techniques, lesson planning, and management skills. Work site experiences and internships provide opportunities to observe, plan and direct activities for young children. Parenting and Child Development, and Early Child Professions are prerequisites for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this pathway, and FCCLA activities should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191980 Work-Based Learning - Child Development & Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Early Childhood Professions pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222514 Parenting and Child Development This course is an intermediate course in the Education Assistant and Early Childhood Education pathways and emphasizes parenting choices and parenting decisions. Content includes stages of prenatal development and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate childcare services, and explore careers</p>	<p>3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

related to young children. This course is a prerequisite for Early Childhood Professions and Education Assistant. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course and should be integrated into this course.

Education and Training Pathway

<p>191510 Education Assistant Following an orientation period, students are assigned to an elementary or middle school classroom where they assist the teacher and have the opportunity to try out the role of a teacher. This year-long course prepares individuals for further education opportunities at the postsecondary level in paraprofessional or teacher education programs. Students work one on one with students, assist with academic progress and support the classroom teacher's instructional, behavioral and management plans. Students work on developing self-management, communication, social and organizational skills needed to enter the education field. Articulation agreements with postsecondary schools provide credit and a smooth transition to further education. Parenting and Child Development is a prerequisite for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Education & Training pathway and should be integrated into this course.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191511 CAPSTONE: Advanced Education Assistant Advanced Education Assistant, a year-long course, is the third level of the Education Assistant program of study and it serves as a Career Technical School (CTS) capstone course. This CTS capstone course prepares students for gainful employment and/or entry into postsecondary education in the Education and Training pathway. Content provides students the opportunity to apply the marketable education related skills they have acquired by assuming greater responsibilities in the education experience. Parenting and Child Development, and Education Assistant are prerequisites for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this pathway and should be integrated into this course. Advanced Education Assistant may provide Technical Competency Credit towards an Education Assistant program at a postsecondary technical college.</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>191981 Work-Based Learning - Education and Training This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

<p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Education Assistant pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	
<p>222514 Parenting and Child Development This course is an intermediate course in the Education Assistant and Early Childhood Education pathways and emphasizes parenting choices and parenting decisions. Content includes stages of prenatal development and the physical, intellectual, social and emotional development of the infant and young child. This course is designed to strengthen parenting and guidance skills, positive family relationships, safety, and health practices. Students will learn to evaluate childcare services, and explore careers related to young children. This course is a prerequisite for Early Childhood Professions and Education Assistant. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to this course and should be integrated into this course.</p>	<p>3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

FCS Cluster Only

<p>160530 Foundational Foods This is a foundational course in the Family and Consumer Sciences Culinary Arts pathway. Students will learn foundational knowledge and skills linked to the Food Service/Culinary Arts industry. This course will include math, reading, problem solving, measuring, communications, time management, following directions, and collaboration. It will also address professional and personal effectiveness skills needed in the culinary arts instructional setting. FCCLA (Family, Career and Community Leaders of America) leadership activities are strongly tied to this pathway. FCCLA activities should be integrated into this course.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161513 Explore Hospitality & Tourism This course is a foundational course in the Family and Consumer Sciences Hospitality Services pathway. Students will learn foundational knowledge of business functions, guest service, and all sectors of the Hospitality & Tourism. Course will include math, reading, problem solving, communications, time management, following directions, and collaboration. Course will address professional and personal effectiveness skills needed in the hospitality and tourism instructional setting.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>190010 Human Services</p>	<p>9971 CTE - Family and Consumer Sciences (6-12)</p>

	<p>A course that focuses on the functional roles and responsibilities of human services professionals and how they apply their skills to assist individuals and families in the areas of consumer services, personal services, family and community services, counseling and early childhood services. Students in human services gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing and internships. Career and Personal Development, and Family Health and Wellness are prerequisites for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Hospitality and Tourism pathway. FCCLA activities should be integrated into this course.</p>	
<p>190012 Advanced Human Services</p> <p>A year-long course that focuses on the functional roles and responsibilities of human services professionals and how they apply their skills to assist individuals and families in the areas of consumer services, personal services, family and community services, counseling and early childhood services. Students in Advanced Human Services gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing and internships. Human Services, Career and Personal Development, and Family Health and Wellness are prerequisites for this course. This course may articulate to a variety of human services programs at the postsecondary level to prepare learners for professional and technical careers. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>		9971 CTE - Family and Consumer Sciences (6-12)
<p>190014 Introduction to Family and Consumer Sciences (FCS) & Human Services Careers</p> <p>A foundational course in the Family and Consumer Sciences Cluster pathway. Students will learn foundational knowledge of occupations (paid and unpaid) linked to providing basic needs of children, individuals, and families. Occupations will include nutrition educator, childcare provider, social worker, foster parent, credit counselor, geriatric care provider, senior citizen care director, food service provider, restaurant manager, culinary artists, interior/textile designer, event planner and family and consumer sciences teacher. Course will include reading, math, problem solving, communications, time management, following directions, and collaboration. FCCLA (Family, Career and Community Leaders of America) leadership activities are strongly tied to and should be integrated into this course.</p>		9971 CTE - Family and Consumer Sciences (6-12)
<p>191540 Explore Working with Young Children</p> <p>This is an introductory course for the Early Childhood Education and Education Assistant pathways. Course will address introductory knowledge and practice expected for working with children, and professional and personal effectiveness skills needed in the early childhood education instructional setting. Course will include reading, math, problem solving, communications, time management, following directions, and collaboration. Family, Career, and Community Leaders of America (FCCLA) leadership</p>		<p>3030 CTE OS - Apparel/Textiles (6-12)</p> <p>3035 CTE OS - Apparel/Textiles (6-12)</p> <p>9971 CTE - Family and Consumer Sciences (6-12)</p>

	activities are strongly tied to these pathways. FCCLA activities should be integrated into this course.	
192050	Housing, Interiors, and Furnishings A year-long course that integrates knowledge, skills and practices required for careers in the housing, interiors and furnishings industry. Students will evaluate housing decisions, develop and practice design techniques, and demonstrate skills through visual presentations. Instruction includes design principles, construction techniques, and materials and equipment selection. A work experience in the housing, interiors and furnishing industry or real estate is a part of this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
192610	Human Growth and Development The course focuses on basic human developmental and behavioral characteristics of the individual within the context of the family. The content includes instruction in the conditions (biophysical, cognitive, emotional, and social development) that influence human growth and development through the various life stages—prenatal, childhood, adolescence, and adulthood; strategies that promote growth and development across the life span; and the study of family systems. This course provides the foundation for all career paths within the human services cluster: early childhood development and services; family and community services; consumer services; personal care services; and education and training. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
221010	Leadership This leadership course is designed to strengthen students' personal and group leadership skills. It provides students an opportunity to explore character traits and characteristics that are needed to become an effective leader. Students practice their leadership skills through community service projects and a variety of leadership activities through the Family, Community, and Career Leaders of America (FCCLA) student organization. This course covers topics such as public speaking, effective communication, human relations, parliamentary laws and procedures, organization and management and group dynamics. FCCLA leadership activities are strongly tied to this course.	0074 CTE OS - Family & Consumer Sciences (6-12) 1085 CTE OS - Hospitality Services (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
221520	Strategies for Success A course of study which helps to orient students to the world of work and school. Ideally, this course is offered in the ninth and tenth grades as it addresses the needs of students to develop good work and study habits, helps students to prepare portfolios, learn about school resources, develop career plans, start preparing for college and	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

	develop solid interpersonal skills, with an emphasis on communication and building self-esteem. BPA (Business Professionals of America), DECA (Marketing CTSO), or FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. BPA, DECA, or FCCLA activities should be integrated into this course.	
221522	Family and Consumer Sciences (FCS) Professions An introduction to professional Family and Consumer Sciences related careers, particularly teaching. Course will include career expectations, career options, balancing work and family, and a variety professional publications and interviews. Course may align with postsecondary institution requirements. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
221523	Career and Personal Development The concepts included in this course provide the foundations for all programs of study. This course helps students identify and evaluate personal goals, priorities, aptitudes and interests with the goal of making informed decisions about their careers. The focus is on the practical aspects of investigating, pursuing, achieving, and keeping employment in a global society. The curriculum emphasizes communication, employability skills, leadership and balancing work and family. This course is a prerequisite for Human Services and Entrepreneurship. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
222080	Family Health and Wellness Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, growth, development, family life, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. This course will earn a health credit when taught by a Family and Consumer Sciences teacher who has a Health endorsement. Idaho Content Standards for Health have been included in this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
222510	Healthy Living, Healthy World This course focuses on how our daily lives affect the environment and the Three Pillars of Sustainability. Students will recognize how their choices on housing, transportation, food, and waste management, water and energy consumption impact both their near environment and global wellbeing. Sustainable career choices as well as community connections are an integral part of this curriculum. This course focuses on the roles and	2030 CTE OS - Dietitian (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)

	responsibilities of the student as a global citizen and consumer of finite resources. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	
222512 Food Science and Nutrition	The focus of this course is on the scientific and chemical basis of nutrition, preparation, preservation and processing of food products. Students will study the composition, structure, and properties of foods and the chemical changes that occur during the processing, storage, preparation and consumption of food. Scientific methods are used to conduct lab experiments with food. Students with interest/career plans in food science or dietetics will benefit from this course. Students may earn a lab science credit for when the course is taught by a Family and Consumer Sciences instructor who has a Natural Science endorsement. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
222513 Teen Parenting	A course designed to help pregnant and parenting teens with their unique roles and responsibilities. Emphasis is on pregnancy, pre-natal development, postnatal care, health and well-being of young parents, early childhood development, nurturing and guidance, decision making and goal setting, stress management, child nutrition, health and safety, parenting resources, and childcare services. The course may also include academic assistance, career exploration and financial management. A guided laboratory experience in working with infants and young children is highly recommended. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.	0074 CTE OS - Family & Consumer Sciences (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
222515 Teen Living	The emphasis of this course is to build on skills in the areas of personal development, relationships, human and family development, clothing, resource management, living environments, nutrition and wellness, career choices, and leadership skills. This course focuses on the student's role and responsibility as a teen participating in the family, school and community. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.	3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
222516 Adult Living	A course designed to focus on the young adult as an individual preparing for responsibilities in the home, family, community and work environment. The student will gain relationship skills and life management skills, utilize problem-solving methods, management processes, employment, and leadership skills. Adult Living is designed as	9971 CTE - Family and Consumer Sciences (6-12)

	two independent but sequential semesters/ trimesters with one semester focusing on independent living skills and one semester on building and maintaining healthy interpersonal relationships. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.	
222517	Personal and Family Finance/Economics This course provides an understanding of personal finance, basic economic concepts, use of economic reasoning skills, the impact of economics systems and the role of the government. It provides students with financial skills for personal and family well-being, financial services, responsible use of credit, consumer decisions, saving and investing, insurance, spending patterns, contracts and budget planning. This course is a prerequisite for Human Services. Students in this course will earn an economics graduation credit when the course is taught by a Family and Consumer Sciences teacher who simultaneously holds an economics endorsement and integrates Idaho's economic Content Standards into the course. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.	9971 CTE - Family and Consumer Sciences (6-12)
222518	Advanced Nutrition and Wellness Advanced Nutrition and Wellness is a course which provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Nutrition and Foods, and Food Science and Nutrition. This is a project-based course, utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety and sanitation. This course is part of a sequence of courses that provide a foundation for continuing and post-secondary education in all career areas related to nutrition, food, and wellness. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course. Nutrition and Foods is a prerequisite for this course.	2030 CTE OS - Dietitian (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
229984	Entrepreneurship Experience A course preparing individuals for employment or entrepreneurship in a variety of occupations utilizing knowledge and skills related to family and consumer sciences content. Skill development is achieved through the classroom laboratory, and a school-based enterprise or cooperative work experience. Classroom instruction includes developing a business plan, marketing, and workplace knowledge and skills.	9971 CTE - Family and Consumer Sciences (6-12)

Articulation agreements with postsecondary technical programs provide credit and a smooth transition to further education. Career and Personal Development is a prerequisite for this course. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to and should be integrated into this course.

Hospitality Services Pathway

<p>160980 Work-Based Learning - Hospitality Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Hospitality Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 7016 CTE - Career Counselor (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161510 CAPSTONE: Hospitality Services Hospitality Services, a year-long course, is the third level of the Hospitality Services pathway and it serves as a Career Technical School (CTS) capstone course. This course prepares students for gainful employment and/or entry into postsecondary education in the hospitality and tourism industry, providing students skills and knowledge important within the industry. Students will have the opportunity to explore career opportunities and develop an awareness and understanding of one of the largest industries in the world. Foods and Nutrition, and Introduction to Hospitality Essentials are course prerequisites. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Hospitality Services pathway. FCCLA activities should be integrated into this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161512 Introduction to Hospitality Essentials This course will offer an introduction to the hospitality and tourism industry. The course will include an industry overview and preparation for employment or entrepreneurship in a variety of occupations utilizing the knowledge and skills in the hospitality field and related to family and consumer sciences content. Skill development will be achieved through classroom laboratory, project-based learning, and school-based enterprise. Nutrition and Foods is a prerequisite for this course. FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to this course. FCCLA activities should be integrated into this course.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>161550 Tour Idaho</p>	<p>1087 CTE OS - Hospitality Management (6-12)</p>

<p>This course provides a framework for thinking about the State's many travel destinations and events. Idaho is a state of seven regions: Panhandle, Clearwater, Southwest, Magic Valley, Southeast, Upper Snake and Salmon. Each region will be profiled in terms of major tourism destination-and-event themes, including agricultural, aviation and aerospace, nature-based, culture and heritage, arts and entertainment, sports, and weather-related destinations and events. Tour Idaho is designed to be a project-based course with potential regional partnerships. This course can be used to fulfill the Idaho Senior Project graduation requirement. https://sde.idaho.gov/topics/hs-grad-req/files/general/High-School-Graduation-Minimum-Requirements.pdf FCCLA (Family, Community and Career Leaders of America) leadership activities are strongly tied to the Hospitality and Tourism pathway. FCCLA activities should be integrated into this course. The Introduction to Hospitality Essentials course is a prerequisite for this class.</p>	<p>3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>222511 Foods and Nutrition A course designed to provide students with an understanding of food's role in society, instruction in how to plan and prepare meals, wellness and personal lifestyle. Content includes food safety and sanitation, proper use of equipment and utensils, meal management skills, nutrition, food purchasing, preparation techniques and careers in related fields. This course is a prerequisite for Culinary Arts, Hospitality Services and Tourism, Advanced Nutrition and Wellness, and International Cuisine. Family, Community and Career Leaders of America (FCCLA) leadership activities are strongly tied to these pathways and should be integrated into this course.</p>	<p>0074 CTE OS - Family & Consumer Sciences (6-12) 2030 CTE OS - Dietitian (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>

HEALTH PROFESSIONS AND PUBLIC SAFETY (HP&PS)

Dental Assisting Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>140540 CAPSTONE: Fundamentals of Dental Assisting A course designed to provide the student with basic background knowledge, skills and attitudes for employment in a dental office as a beginning dental assistant. Areas of instruction include dental terminology, charting, cavity classification, infection control, assisting with local anesthesia, and oral surgery, and ethics and jurisprudence. Pre-requisite: Orientation or Fundamentals of Health Professions.</p>	<p>2011 CTE OS - Dental Assisting (6-12)</p>
<p>140980 Work-Based Learning - Dental Assisting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Dental Assisting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2011 CTE OS - Dental Assisting (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12)</p>

<p>endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)</p>

Emergency Medical Technician Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>140550 CAPSTONE: Emergency Medical Technician</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)</p>

<p>A course designed to instruct senior level high school students to the level of Emergency Medical Technician-Basic, a person who serves as a vital link in the chain of the health care team at a basic life support level with an ambulance service or other specialized service. Prerequisite: Fundamentals of Health Professions, and Emergency Medical Responder or Medical Terminology.</p>	
<p>140551 Emergency Medical Responder This course covers simple knowledge of the Emergency Medical Services (EMS) system, the safety and well-being of the Emergency Medical Responder (EMR), and medical and legal issues at the scene of an emergency while awaiting a higher level of care. Prerequisite: Fundamentals of Health Professions.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)</p>
<p>140981 Work-Based Learning - Emergency Medical Technician This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Emergency Medical Technician pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)</p>

Firefighting Pathway

<p>150010 Orientation to Police, Fire, and Emergency Services This foundations course is the first in a three-year program is designed to prepare students for the various occupations in law enforcement, firefighting, and emergency services. Students will not be able to certify as firefighters, police officers or correctional officers during the high school but will have the necessary preparation to continue into advance level preparation at the postsecondary institutions. Course work will cover all aspects of the occupational field, including social and psychological sciences, community, city, county, and state regulations and laws.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)</p>
<p>151520 Essentials of Firefighting This is the second course in a three-course program. This course is designed to prepare students for an occupation within the firefighting career field. Students will study basic firefighting techniques, mechanics of search and rescue, communications, emergency medical procedures, rescue and safety, and related scenarios. Students will learn how to write good reports, the language to use in reports and reporting under the Idaho Criminal Code. Students will learn health and safety as it relates to preventing injuries and personal protective equipment. Students will learn about fire behavior, building construction, extinguishers, ropes and knots, rescue and extrication, forcible entry, ladders, ventilation, water supply, fire hoses, fire streams, fire controls, alarms, and loss of control. Students will learn about fire department communication systems, protecting the public, prevention and public education, and hazardous material procedures.</p>	<p>6280 CTE OS - Firefighting (6-12)</p>
<p>151521 CAPSTONE: Firefighting II This is the third course in a three-course program. This course is designed to prepare students for an occupation within the firefighting career field. Students will study EMT basics, ambulance operations, extrication/gaining access, and incident command systems. Students will learn how to write good reports, the language to use in reports and reporting under the Idaho Criminal Code. Students will learn health and safety as it relates to preventing injuries and personal protective equipment. Students will learn about fire behavior, building construction, extinguishers, ropes and knots, rescue and extrication, forcible entry, ladders, ventilation, water supply, fire hoses, fire streams, fire controls, alarms, and loss of control. Students will learn about fire department communication systems, protecting the public, prevention and public education, and hazardous material procedures.</p>	<p>6280 CTE OS - Firefighting (6-12)</p>
<p>151980 Work-Based Learning - Firefighting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6280 CTE OS - Firefighting (6-12) 7016 CTE - Career Counselor (6-12)</p>

<p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Firefighting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	
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Law Enforcement Pathway

<p>150010 Orientation to Police, Fire, and Emergency Services This foundations course is the first in a three-year program is designed to prepare students for the various occupations in law enforcement, firefighting, and emergency services. Students will not be able to certify as firefighters, police officers or correctional officers during the high school but will have the necessary preparation to continue into advance level preparation at the postsecondary institutions. Course work will cover all aspects of the occupational field, including social and psychological sciences, community, city, county, and state regulations and laws.</p>	<p>2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)</p>
<p>150540 Law Enforcement, Detention, and Corrections I This is the second course in a three-course program. This course is designed to prepare students for an occupation within the criminal justice or law enforcement fields. Students will study basic criminal investigation techniques, mechanics of search, communications, emergency medical procedures, rescue and safety, traffic and crowd control, and related scenarios.</p>	<p>6282 CTE OS - Law Enforcement (6-12)</p>
<p>150541 CAPSTONE: Law Enforcement, Detention, and Corrections II This is the third course in a three-course program. This class is designed to prepare students for entry into occupations in law enforcement, corrections, or criminal justice. While students will not be able to be certified as police, corrections or criminal justice officers, they will be given the necessary skills to perform basic tasks in the occupation as auxiliary personnel and go on for further training at a postsecondary institution. Additional training will be provided in patrol techniques, weapons, investigations, court systems, defensive tactics, vehicle operations, fingerprinting and identification systems, and accident and criminal action prevention/investigation.</p>	<p>6282 CTE OS - Law Enforcement (6-12)</p>
<p>150980 Work-Based Learning - Law Enforcement This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6282 CTE OS - Law Enforcement (6-12) 7016 CTE - Career Counselor (6-12)</p>

work-based learning (WBL) placement must specifically align to the Law Enforcement pathway. The WBL experience must be supervised monitored by a properly endorsed educator.

Medical Assisting Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>141514 Fundamentals of Medical Assisting This course introduces students to the basic knowledge, skills and attitudes needed to assist in the health care field as a Medical Assistant. Content includes responsibilities of each team member, principles and application of law related to health care organizations and personnel, and standards of care and liability.</p>	<p>2094 CTE OS - Medical Assisting (6-12)</p>
<p>141515 CAPSTONE: Advanced Medical Assisting This course prepares students for entry into the health field as a Medical Assistant. Students will learn administrative skills and functions of the Medical Assistant in the medical office setting, which include: effective communication skills, appointment scheduling, accounting, insurance processing, and management skills.</p>	<p>2094 CTE OS - Medical Assisting (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12)</p>

<p>endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)</p>
<p>141980 Work-Based Learning - Medical Assisting This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Medical Assisting pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2094 CTE OS - Medical Assisting (6-12) 7016 CTE - Career Counselor (6-12)</p>

Nursing Assistant Pathway

<p>140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf. This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
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	acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.	
140510	<p>CAPSTONE: Nursing Assistant</p> <p>A 120-hour course designed to introduce learners to concepts related to nursing assisting. This course will prepare students for beginning employment as nursing assistants in long-term care facilities, hospitals, and other settings. The course provides learners with experiences in the classroom and in the clinical areas that result in development and practice of basic competencies required for the role. Successful completion of the course qualifies the student to test to become a Certified Nursing Assistant. The student's name will then be placed on the Idaho State Registry for Nursing Assistants. Course content includes medical terminology, anatomy and physiology, care of the patient, and assisting as a member of the health care team. Prerequisites: Fundamentals of Health Professions, and Medical Terminology or Anatomy and Physiology for Health Professions.</p>	2033 CTE OS – Nursing Assistant (6-12)
140982	<p>Work-Based Learning - Nursing Assistant</p> <p>This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE.</p> <p>This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Nursing Assistant pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	0099 CTE OS - Work Based Learning Coordinator (6-12) 2033 CTE OS - Nursing Assistant (6-12) 7016 CTE - Career Counselor (6-12)
140990	<p>Mental Health Assistant</p> <p>A program of study that prepares the student to assist with the care of persons requiring services in the specialized field of mental health/mental illness. Students are prepared for employability and advanced study. Prerequisite: Fundamentals of Health Professions, and Medical Terminology or Anatomy and Physiology for Health Professions. Successful completion of Nursing Assistant pathway is strongly recommended.</p>	2033 CTE OS - Nursing Assistant (6-12)
141540	<p>Medical Terminology</p> <p>This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)

	2095 CTE OS - Pharmacy Technician (6-12)
141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)

Pharmacy Technician Pathway

140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf . This semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)
141520 CAPSTONE: Pharmacy Technician A course designed to prepare senior level students for entry-level employment as a Pharmacy Technician under the supervision of pharmacists in retail pharmacies, hospitals and other settings. Successful completion of the course qualifies the student to take the Pharmacy Technician Certifying Board (PTCB) or Exam for the Certification of Pharmacy Technicians (ExCPT) certification exams. Content includes pharmaceutical terminology, drug identification, measurement techniques, record keeping, business operations, prescription preparation, logistics and dispensing operations and applicable	2033 CTE OS - Nursing Assistant (6-12) 2087 CTE OS - Paramedic (6-12) 2095 CTE OS - Pharmacy Technician (6-12)

standards and regulations. Prerequisite: Fundamentals of Health Professions, and Medical Terminology or Anatomy & Physiology.	
141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12)
141551 Anatomy and Physiology for Health Professions A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12)
141981 Work-Based Learning - Pharmacy Technician This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Pharmacy Technician pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2087 CTE OS - Paramedic (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 7016 CTE - Career Counselor (6-12)

Rehabilitation Services Pathway

140010 Fundamentals of Health Professions This course is designed to provide a broad understanding of the U.S. health care system and an introduction to the roles of various members of the health care team using the National Health Science Standards as a foundation: https://www.healthscienceconsortium.org/wp-content/uploads/2019/05/NATIONAL_HEALTH_SCIENCE_STANDARDS.pdf . This	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12)
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<p>semester-long course meets Idaho Standards for Health Professions (not the general health standards). Fundamentals of Health Professions introduces the student to the healthcare industry by providing the background required for careers in healthcare. Other topics include basic anatomy & physiology, medical terminology, medical ethics, current trends in healthcare delivery, safety, and student leadership. The skills learned in this course are transferable to many health professions programs. Students are REQUIRED to obtain an approved CPR certification by the end of the course; the recommended option would be Health Care Provider CPR, but other certifications are acceptable. This course serves as the prerequisite for students planning to pursue the CNA, EMT, Pharmacy Technician, Rehabilitation Services, Medical Assisting, or Dental Assisting pathway programs.</p>	<p>2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>140620 Sports Medicine/Athletic Training A program that introduces students to the basic knowledge, skills and attitudes needed to assist in the career fields of Sports Medicine and Athletic Training. Students explore related careers and may assist, with permission, with athletic training teams.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>140622 CAPSTONE: Rehabilitation Services This course introduces students to the basic knowledge, skills and attitudes for success in the field of exercise science at the aide and/or assistant level. Content includes terminology; clerical, technical, and therapeutic methods; and the roles/responsibilities of each member of the team.</p>	<p>2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12)</p>
<p>140983 Work-Based Learning - Rehabilitation Services This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Rehabilitation Services pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2098 CTE OS - Sports Medicine/Athletic Trng (6-12) 7016 CTE - Career Counselor (6-12)</p>
<p>141540 Medical Terminology This course is designed to introduce the student to the fundamentals of medical terminology which includes prefixes, suffixes, word roots, combining forms, special endings, plural forms and commonly used medical abbreviations. It also includes word structure of basic medical/surgical terms, procedures and specialties, and body parts and organs. Emphasis is placed on spelling, definition, usage, and pronunciation. Prerequisite: Orientation to or Fundamentals of Health Professions.</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12)</p>
<p>141551 Anatomy and Physiology for Health Professions</p>	<p>2000 CTE OS - Orientation to Health Professions (6-12)</p>

A course designed to help students master the structural and functional elements and relationships of the human body as they pertain to the health professions. Prerequisite: Fundamentals of Health Professions.

2011 CTE OS - Dental Assisting (6-12)
2030 CTE OS - Dietitian (6-12)
2033 CTE OS - Nursing Assistant (6-12)
2055 CTE OS - Rehabilitation Services (6-12)
2085 CTE OS - Emergency Medical Technician (6-12)
2087 CTE OS - Paramedic (6-12)
2094 CTE OS - Medical Assisting (6-12)

TRADES AND INDUSTRY (TI)

Automated Manufacturing Pathway

130025 Automated Manufacturing Level I This is an introductory course, in a three-course program, leading to industry certification in automated manufacturing. Course includes measurement, safety, and circuit diagrams as they relate to automated manufacturing controls. This course includes theory and laboratory practice in CNC milling, Computer Aided Design (CAD), and Computer Aided Manufacturing (CAM) concepts. Introduction to laser and plasma manufacturing devices will be incorporated.	5022 CTE OS - Automated Manufacturing (6-12)
130026 Automated Manufacturing Level II This is the second course in a three-course program. Continued work in measurement, safety, circuit diagrams, and CNC milling. Overview of electronics as it relates to sensors, servos, solenoids, and other automated manufacturing controls. Overview of automated manufacturing using 3-D picks and place technology, articulated arm robotics, conveyors, and materials handling. Course will emphasize limits of precision and accuracy, stepper motor control, and connectivity with other computerized manufacturing operations. Overview of pneumatics and hydraulics used to control manufacturing processes. Course includes air theory, hydraulic theory, pneumatic/hydraulic circuit diagrams and components, PLC control, and circuit simulation.	5022 CTE OS - Automated Manufacturing (6-12)
130027 CAPSTONE: Automated Manufacturing Level III This is the third course in a three-course program. Continued work in measurement, safety, circuit diagrams, CNC milling, pneumatics, and hydraulics. Course includes theory and laboratory practice in CNC lathe and robotic welding. A senior project that combines all automated manufacturing processes learned to-date will be undertaken.	5022 CTE OS - Automated Manufacturing (6-12)
130980 Work-Based Learning - Automated Manufacturing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Automated Manufacturing pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 7016 CTE - Career Counselor (6-12)

Automotive Collision Repair Pathway

<p>201033 Transportation Systems Exploration This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance & Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)</p>
<p>201160 Automotive Collision Repair Level I This is the beginning level course of the Auto body (collision repair) technology program. Auto body (collision repair) technology is a program designed to prepare students with skills that include basic trade skills, refinishing, sheet metal repair, welding, thermoplastic and fiberglass repair, painting, electrical systems, trim accessories and hardware, body, frame and suspension systems, estimating and preparation for delivery, and miscellaneous services. The course also includes training in applied communications, and employability skills including leadership, human relations, problem solving, critical thinking, and safe efficient work practices. A course designed to introduce students to basic auto body (collision repair) technology.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>
<p>201161 Automotive Collision Repair Level II This is the second course in a three-course program. A course designed to provide students with auto body (collision repair) technology applications including dent repair, alignment, and painting.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>
<p>201162 CAPSTONE: Automotive Collision Repair Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards. Students will be given advanced level training in all aspects of collision repair including frame, body, electrical, plastics, painting, and finishing.</p>	<p>6031 CTE OS - Automotive Collision Repair (6-12)</p>
<p>201481 Work-Based Learning - Automotive Collision Repair This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Automotive Collision Repair pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 7016 CTE - Career Counselor (6-12)</p>

Automotive Maintenance & Light Repair Pathway

<p>201033 Transportation Systems Exploration This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance & Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)</p>
<p>201030 Automotive Technology Level I This is the beginning level course of the Automotive technology program. Automotive technology is a program designed to prepare students with skills that include servicing and maintenance of all types of automobiles. Automotive technology includes instruction in the diagnosis of malfunctions in and repair of engines; engine performance and controls and emission controls, fuel, electrical, cooling, and brake systems; and drive train and suspension systems. Instruction is also given in the adjustment, maintenance, replacement, and repair of individual components and systems. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic automotive technology.</p>	<p>6032 CTE OS - Automotive Maintenance & Light Repair (6-12)</p>
<p>201031 Automotive Technology Level II This is the second course in a three-course program. A course designed to provide students with automotive technology applications.</p>	<p>6032 CTE OS - Automotive Maintenance & Light Repair (6-12)</p>
<p>201032 CAPSTONE: Automotive Technology Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards. Students are provided advanced level instruction according to NATEF Standards.</p>	<p>6032 CTE OS - Automotive Maintenance & Light Repair (6-12)</p>
<p>201482 Work-Based Learning - Automotive Maintenance & Light Repair This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Automotive</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6032 CTE OS - Automotive Maintenance & Light Repair (6-12) 7016 CTE - Career Counselor (6-12)</p>

Maintenance & Light Repair pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.

Cabinetmaking & Bench Carpentry Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170071 Cabinetry and Millwork Level I This is the beginning level course of the cabinetmaking and millwork program. The cabinetmaking and millwork pathway is a program designed to prepare students with skills to engage in the mass production of such articles as windows and frames, moldings, trim and panels, and such products as home fixtures, kitchen cabinets, and office equipment. The program includes instruction in cutting, shaping, assembling, and refinishing articles; installing hinges, catches, drawer pulls, and other hardware; and planning and drafting layouts. The course also includes training in applied communications and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic cabinetmaking and millwork.</p>	<p>6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170072 Cabinetry and Millwork Level II This is the second course in a three-course program. A course designed to provide students with cabinetmaking and millwork applications.</p>	<p>6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170073 CAPSTONE: Cabinetry and Millwork Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/building to industry standards.</p>	<p>6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170481 Work-Based Learning - Cabinetmaking & Bench Carpentry This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

work-based learning (WBL) placement must specifically align to the Cabinetmaking and Bench Carpentry pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.

Construction Trades Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170030 Residential Carpentry/Building Construction Level I This is the beginning level course of the residential carpentry/building construction program. Residential carpentry/building construction is a program designed to prepare students with skills to layout, fabricate, erect, install, and repair structures and fixtures, using hand and power tools. The program includes instruction in common systems of framing, construction materials, estimating, and blueprint reading. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic residential carpentry and building construction.</p>	<p>6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170031 Residential Carpentry/Building Construction Level II This is the second course in a three-course program. A course designed to provide students with residential carpentry and building construction applications.</p>	<p>6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170032 CAPSTONE: Residential Carpentry/Building Construction Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/building to industry standards. Emphasis of work site skills is expected at this level with the majority of the students participating in off campus work experiences.</p>	<p>6108 CTE OS - Construction Trades Technology (6-12)</p>
<p>170480 Work-Based Learning - Construction Trades Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

work-based learning (WBL) placement must specifically align to the Construction Trades Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	
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Electrical Pathway

170010 Construction Careers Exploration This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.	5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)
171020 Electrical Level II Electrical pre-apprenticeship students will be introduced to residential, commercial, and industrial work in electrical trades. This sequence of courses is designed to guide students into the Idaho Electrical Apprenticeship program. Students will learn important skills of the electrical trade such as: safety, theory, applied mathematics, electrical code, blueprint reading, tools, and career opportunities.	5030 CTE OS - Electrical Technology (9-12)
171025 CAPSTONE: Electrical Level III Electrical pre-apprenticeship students will learn from industry experts in the classroom and have opportunities for on-the-job training experiences. Students will learn the how's and why's of electrical theory, the National Electrical Code, lighting, motors and controls, and electrical installation methods. Students will explore residential, commercial and/or industrial electrical applications.	5030 CTE OS - Electrical Technology (9-12)
171481 Work-Based Learning - Electrical This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Electrical pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 5030 CTE OS - Electrical Technology (9-12) 7016 CTE - Career Counselor (6-12)

Electronics Technology Pathway

<p>171062 Electronics Technology Level I This is the beginning level course of the electronics technology program. Students should have completed or be currently enrolled in algebra I prior to enrolling in the course. The course will reinforce skill development in applied mathematics and physics through theory and laboratory assignments based on industry procedures. Students will be provided instruction on safety, introduction to the electronics industry, tool and equipment use, soldering techniques, and employability skills, and habits. Students will be involved in activities which will reinforce problem solving, teaming, language arts, science, and mathematics skills which use real-life industry examples and procedures. The course will give students the opportunity to study devices that use DC to series-parallel circuits and AC concepts.</p>	<p>5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)</p>
<p>171063 Electronics Technology Level II This is the second level course in the electronics technology program. Students will be required to develop a project development plan and do research on the various projects they will build as a part of the course. Students will be involved in projects which will reinforce problem solving, teaming, language arts, science, and mathematics skills through real-life industry examples and procedures. The course will give students the opportunity to build and test devices that use DC to series-parallel circuits, AC concepts, digital, and solid-state circuits.</p>	<p>5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)</p>
<p>171064 CAPSTONE: Electronics Technology Level III This is the third level course in electronics technology. Students will refine their project development plan and develop more detailed projects in final form during the course. The course will give students the opportunity to build and test advanced level devices that use DC principles for RC and RL circuits and AC concepts. Digital and solid-state circuits including FET, IC, and combinational logic applications will be studied and tested. Academic subject fields will be reinforced throughout all aspects of the course and students will be expected to practice proper customer relations skills at all times.</p>	<p>5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12)</p>
<p>171480 Work-Based Learning - Electronics Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Electronics Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 5018 CTE OS - Electronics Technology (6-12) 5030 CTE OS - Electrical Technology (9-12) 7016 CTE - Career Counselor (6-12) 9981 CTE - Technology Education (6-12)</p>

Heavy Equipment/Diesel Technology Pathway

<p>201033 Transportation Systems Exploration This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>6310 CTE OS – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance & Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)</p>
<p>201070 Heavy Equipment/Diesel Level I This is the beginning level course of the diesel technology program. Heavy equipment/diesel is a program designed to prepare students with skills for the field maintenance of heavy equipment, and in general maintenance and overhaul of such equipment. Heavy equipment/diesel includes instruction in inspection, maintenance, and repair of tracks, wheels, brakes, operating controls, pneumatic and hydraulic systems, electrical circuitry, engines, and in techniques of welding and brazing. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic heavy equipment/diesel applications.</p>	<p>6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)</p>
<p>201071 Heavy Equipment/Diesel Level II This is the second course in a three-course program. A course designed to provide students with heavy equipment/diesel applications.</p>	<p>6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)</p>
<p>201072 CAPSTONE: Heavy Equipment/Diesel Level III This is the third course in a three-course program. A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards.</p>	<p>6120 CTE OS - Heavy Equipment/Diesel Technology (6-12)</p>
<p>201483 Work-Based Learning - Heavy Equipment/Diesel Technology This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Heavy Equipment/Diesel Technology pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6120 CTE OS - Heavy Equipment/Diesel Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

HVAC Pathway

<p>170010 Construction Careers Exploration This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.</p>	<p>5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>170560 HVAC Level II Pre-apprenticeship students will be introduced to residential, commercial, and industrial work in HVAC trades. This sequence of courses is designed to guide students into the Idaho HVAC Apprenticeship program. Students will learn important skills of the HVAC trade such as: safety, theory, applied mathematics, HVAC codes, blueprint reading, tools, and career opportunities.</p>	<p>6010 CTE OS - HVAC Technology (6-12)</p>
<p>170565 CAPSTONE: HVAC Level III HVAC pre-apprenticeship students will learn from industry experts in the classroom and have opportunities for on-the-job training experiences. Students will learn the how's and why's of refrigeration as applied to air conditioning theory, electrical theory, motors and basic electrical controls, International Fuel Gas and Mechanical Code, and installation methods. Students will explore residential, commercial and/or industrial HVAC applications.</p>	<p>6010 CTE OS - HVAC Technology (6-12)</p>
<p>170980 Work-Based Learning - HVAC Pre-Apprenticeship This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the HVAC pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.</p>	<p>0099 CTE OS - Work Based Learning Coordinator (6-12) 6010 CTE OS - HVAC Technology (6-12) 7016 CTE - Career Counselor (6-12)</p>

Industrial Maintenance Mechanics Pathway

<p>130022 Industrial Maintenance Mechanics Level I This is the beginning level course of the Industrial Maintenance Mechanics technology program. Industrial mechanics is a program designed to prepare students with skills in</p>	<p>6109 CTE OS - Industrial Mechanics (6-12)</p>
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	shop practices, welding, basic machine shop, metal working, trouble shooting, rigging, equipment installation, maintenance, and repair for a variety of systems found in industrial operations including drive components, piping systems, pumps, hydraulic and pneumatic systems, electronic systems, and bearings and seals, as well as skills in the set-up and operation of preventive maintenance programs. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic industrial mechanics.	
130023	Industrial Maintenance Mechanics Level II This is the second course in a three-course program leading to industry certification in Industrial Maintenance Mechanics. A course designed to provide students with industrial mechanics applications.	6109 CTE OS - Industrial Mechanics (6-12)
130024	CAPSTONE: Industrial Maintenance Mechanics Level III This is the third course in a three-course program leading to industry certification in Industrial Maintenance Mechanics. A course designed to provide students with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards.	6109 CTE OS - Industrial Mechanics (6-12)
130981	Work-Based Learning - Industrial Mechanics This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Industrial Mechanics pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 7016 CTE - Career Counselor (6-12)

Plumbing Pathway

170010	Construction Careers Exploration This optional course exposes students to the opportunities available in the architecture and construction industry, including electrician, heating/air conditioning technician, plumber, and other occupations. Students learn about the processes involved in construction projects and may engage in a variety of small projects. This course emphasizes responsibilities, qualifications, work environment, rewards, and career paths.	5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 9981 CTE - Technology Education (6-12)
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170580 Plumbing Level II Plumbing pre-apprenticeship students will be introduced to residential, commercial, and industrial work in plumbing trades. This sequence of courses is designed to guide students into the Idaho Plumbing Apprenticeship program. Students will learn important skills of the plumbing trade such as: safety, theory, applied mathematics, plumbing code, blueprint reading, tools, and career opportunities.	6015 CTE OS - Plumbing Technology (6-12)
170585 CAPSTONE: Plumbing Level III Plumbing pre-apprenticeship students will learn from industry experts in the classroom and have opportunities for on-the-job training experiences. Students will learn the how's and why's of plumbing theory, the Uniform Plumbing Code, Idaho Plumbing Code, residential and commercial installations, blueprint reading and estimating, job safety, and plumbing repairs. Students will explore residential, commercial and/or industrial Plumbing applications.	6015 CTE OS - Plumbing Technology (6-12)
170981 Work-Based Learning - Plumbing This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Plumbing Pre-Apprenticeship pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6015 CTE OS - Plumbing Technology (6-12) 7016 CTE - Career Counselor (6-12)

Precision Machining Pathway

130982 Work-Based Learning - Precision Machining This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Precision Machining pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6232 CTE OS - Precision Machining (6-12) 7016 CTE - Career Counselor (6-12)
132030 Precision Machining Level I This is an introductory course, in a three-course program, leading to industry certification in precision machining. Precision machining is a program designed to prepare students	6232 CTE OS - Precision Machining (6-12)

	with skills to shape metal parts on machines such as lathes, grinders, drill presses, milling machines, and shapers. Includes instruction in making computations related to work dimensions, CNC and EDM machines, testing feeds, and speeds of machines using precision measuring instruments such as layout tools, micrometers, and gauges; machining and heat-treating various metals; and in laying out machine parts. The course also includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic precision machining.	
132031	Precision Machining Level II This is the second course in a three-course program. A course designed to provide students with precision machining applications.	6232 CTE OS - Precision Machining (6-12)
132032	CAPSTONE: Precision Machining Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing/producing to industry standards.	6232 CTE OS - Precision Machining (6-12)

Small Engine Repair/Power Sports Pathway

201033	Transportation Systems Exploration This optional course exposes students to the opportunities available in the transportation industry, including small engines, power sports, automotive and diesel technology. Students will also learn about both emerging transportation technologies and related career fields. Students learn about the processes involved in maintenance and repair projects and may engage in a variety of small projects. This course emphasizes basic skills, responsibilities, qualifications, work environment, rewards, and career paths.	6310 CTE OS – Small Engine Repair/Power Sports (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS – Automotive Maintenance & Light Repair (6-12) 6120 CTE OS – Heavy Equipment/Diesel Technology (6-12)
201101	Small Engine Repair Level I This is the beginning level course of the small engine repair program. Small engine repair is a program designed to prepare students with skills to read service manuals; use microfiche, parts catalogs and the internet; use hand tools, power tools, and overhaul tools; service and recondition engines; troubleshoot and repair governors, speed controls, lubrication, ignition, fuel, power transfer, cooling exhaust, and starting systems. The course also includes training in applied communications, and employability skills	6310 CTE OS - Small Engine Repair/Power Sports (6-12)

	including leadership, human relations, and safe, efficient work practices. A course designed to introduce students to basic small engine repair. This will involve exploration, dis-assembly, and minor repairs of various small engine equipment components, and the use of tools and measurement devices. A study of two and four stroke cycles, cooling, and lubrication systems will be covered.	
201102	Small Engine Repair Level II This is the second course in a three-course program. A course designed to provide students with small engine repair applications. Students will be expected to diagnose and repair common equipment failures and make proper recommendations for maintenance of equipment to customers.	6310 CTE OS - Small Engine Repair/Power Sports (6-12)
201103	CAPSTONE: Small Engine Repair Level III This is the third course in a three-course program. A course designed to provide student with teamwork, critical thinking, problem solving, diagnostics, and repairing to industry standards. Students should be familiar with all types of equipment, engines, and power trains associated with small engines This will include lawn and garden equipment as well as recreational equipment such as outboard engines, snowmobiles, motorcycles, watercraft, and industrial applications.	6310 CTE OS - Small Engine Repair/Power Sports (6-12)
201480	Work-Based Learning - Small Engine Repair/Power Sports This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Small Engine Repair/Power Sports pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 7016 CTE - Career Counselor (6-12)

Welding Pathway

132070	Welding Level I This is an introductory course, in a three-course program, the content includes use of blueprints and shop drawing; use of gases and/or welding processes; and brazing parts according to diagrams, blueprints, or written specification. Laboratory activities are an integral part of this program and provide instruction in various processes and techniques of welding and fabrication skills including oxyacetylene welding and cutting, brazing, arc welding, MIG welding, flux core arc welding, TIG welding, certification test preparation and use of current industry standards and techniques. The course also	6236 CTE OS - Certified Welding (6-12)
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	includes training in applied communications, and employability skills including leadership, human relations, and safe efficient work practices. A course designed to introduce students to basic welding. The course introduces students to the metallic processes used in metals fabrication and provides them instruction on measurement and layout of material to be welded. Blueprint reading and fundamentals of welding applications is the main component of instruction.	
132071	Welding Level II This is the second course in a three course. A course designed to provide students with welding applications. Students will be provided the initial stages of instruction that will prepare them for certification as an entry level welder.	6236 CTE OS - Certified Welding (6-12)
132072	CAPSTONE: Welding Level III This is the third course in a three-course program. A course designed to provide student with teamwork, problem solving, diagnostics, and designing, repairing, fabricating, or building to industry standards.	6236 CTE OS - Certified Welding (6-12)
132480	Work-Based Learning - Certified Welding This course is OPTIONAL and, if offered, must occur IN A GRADING PERIOD SIMULTANEOUS TO OR FOLLOWING THE CAPSTONE COURSE. This industry-based work experience opportunity is organized and planned to assist the student in developing advanced skills necessary to gain and maintain employment. The work-based learning (WBL) placement must specifically align to the Certified Welding pathway. The WBL experience must be supervised and monitored by a properly endorsed educator.	0099 CTE OS - Work Based Learning Coordinator (6-12) 6236 CTE OS - Certified Welding (6-12) 7016 CTE - Career Counselor (6-12)

INDIVIDUALIZED OCCUPATIONAL TRAINING (IOT)

IOT Pathway

221521 Career Exploration and Employment Preparation A foundation course in the IOT program designed to assist students in establishing career and educational direction, and to prepare them for a work-based learning experience suited to their strengths and motivations.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
229980 Work-Based Learning Experience I This is the first semester of a student's work-based learning experience at an approved worksite. Technical instruction is provided by a community worksite mentor/trainer and coordinated by a certified work-based learning coordinator. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the work-based learning experience is a requirement.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
229981 Work-Based Learning Experience II This is the second semester of a work-based learning experience. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the work-based learning experience is a requirement.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
229982 Work-Based Learning Experience III This is the third semester of a work-based learning experience at an approved worksite. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. The tracking of the work-based learning experience is a requirement.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)
229983 Work-Based Learning Experience IV This is the fourth semester of a work-based learning experience at an approved worksite. Training plans and agreements are required. All students must have training plans developed from an occupational training outline that meets current industry standards. Work-Based Learning Experience V should be taken during the second semester of the student's Senior year and should include a work-based learning project completed by the student. The tracking of the work-based learning experience is a requirement.	0099 CTE OS - Work Based Learning Coordinator (6-12) 7016 CTE - Career Counselor (6-12) 9093 CTE - Business Technology Education (6-12)

CTE ASSIGNMENTS

Assignments

313000 CTE - Other District Staff CTE - Other District Staff should be assigned to an individual who is CTE endorsed and provides, coordinates, manages, or directs services within a variety of areas. These individuals are not providing direct services to students nor performing supervisory duties over other certificated personnel.	-001 Any Valid CTE Endorsement Code
460600 CTE Administrator Coordinates, manages or directs services within a career technical education program.	0055 CTE Administrator (6-12)
800010 Grades 6-8 Agriculture, Food, & Natural Resources This code is to be used at the middle school level ONLY if another Agriculture, Food, and Natural Resources ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)
800020 Grades 6-8 Business and Marketing This code is to be used at the middle school level ONLY if another Business and Marketing ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12)

	9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)
800030 Grades 6-8 Engineering & Technology Education This code is to be used at the middle school level ONLY if another Engineering and Technology Education ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	5015 CTE OS - Pre-Engineering Technology (6-12) 6130 CTE OS - Drafting and Design (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9400 CTE - Computer Science (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)
800040 Grades 6-8 Family and Consumer Sciences & Human Services This code is to be used at the middle school level ONLY if another Family and Consumer Sciences & Human Services ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	1085 CTE OS - Hospitality Services (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 6262 CTE OS - Cosmetology (6-12) 9971 CTE - Family and Consumer Sciences (6-12)
800050 Grades 6-8 Trades & Industry This code is to be used at the middle school level ONLY if another Trades & Industry ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	5018 CTE OS - Electronics Technology (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6031 CTE OS - Automotive Collision Repair (6-12) 6032 CTE OS - Automotive Maintenance & Light Repair (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 6120 CTE OS - Heavy Equipment/Diesel Technology (6-12) 6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)

<p>800060 Grades 6-8 Health Professions & Public Safety This code is to be used at the middle school level ONLY if another Health Professions & Public Safety ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)
<p>900001 Advisory - CTE The Advisory - CTE course code should be assigned when a CTE-endorsed instructor mentors the students in an advisory class. If students are not present, do not assign another ISEE Code.</p>	-001 Any Valid CTE Endorsement Code
<p>900002 Aide - CTE Classroom Aide - CTE Classroom should be assigned to a CTE-endorsed instructor who has a student aide serving in his or her classroom.</p>	-001 Any Valid CTE Endorsement Code
<p>900010 Grades 9-12 Agriculture, Food & Natural Resources This code is to be used at the high school level ONLY if another Agriculture, Foods, and Natural Resources ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	0108 CTE OS - Animal Health & Veterinary Sci (6-12) 0109 CTE OS - Ag Business Mgmt (6-12) 0110 CTE OS - Agricultural Production (6-12) 0114 CTE OS - Farm & Ranch Management (6-12) 0118 CTE OS - Animal Science (6-12) 0119 CTE OS - Agribusiness (6-12) 0120 CTE OS - Agricultural Leadership and Communications (6-12) 0130 CTE OS - Agricultural Power Machinery (6-12) 0131 CTE OS - Agriculture Mechanics & Power Systems 0140 CTE OS - Food Science & Processing Technology (6-12) 0150 CTE OS - Horticulture (6-12) 0151 CTE OS - Ornamental Horticulture (6-12) 0152 CTE OS - Plant and Soil (6-12) 0161 CTE OS - Aquaculture (6-12) 0170 CTE OS - Forestry (6-12) 0174 CTE OS - Natural Resource Management (6-12) 0175 CTE OS - Ecology and Natural Resource Management (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12) 9921 CTE - Agriculture Science and Technology (6-12)

<p>900020 Grades 9-12 Business and Marketing This code is to be used at the high school level ONLY if another Business & Marketing ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	<p>1010 CTE OS - Marketing (6-12) 1087 CTE OS - Hospitality Management (6-12) 4012 CTE OS - Administrative Services (6-12) 4015 CTE OS - Business Management/Finance (6-12) 4017 CTE OS - Business Management (6-12) 4020 CTE OS - Microcomputer Applications (6-12) 4022 CTE OS - Business Digital Communications (6-12) 4024 CTE OS - Information/Communication Tech (6-12) 4077 CTE OS - Applied Accounting (6-12) 9092 CTE - Marketing Technology Education (6-12) 9093 CTE - Business Technology Education (6-12)</p>
<p>900030 Grades 9-12 Engineering & Technology Education This code is to be used at the high school level ONLY if another Engineering & Technology Education ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	<p>5015 CTE OS - Pre-Engineering Technology (6-12) 6130 CTE OS - Drafting and Design (6-12) 6151 CTE OS - Programming & Web Technologies (6-12) 6153 CTE OS - Network & Computer Support (6-12) 6154 CTE OS - Networking Support (6-12) 6156 CTE OS - Computer Support Technologies (6-12) 6158 CTE OS - Programming & Software Development (6-12) 6159 CTE OS - Web Design and Development (6-12) 6180 CTE OS - Journalism (6-12) 6190 CTE OS - Graphic Design (6-12) 6192 CTE OS - Commercial Photography (6-12) 6197 CTE OS - Digital Media Production (6-12) 9400 CTE - Computer Science (6-12) 9401 CTE - Engineering (6-12) 9981 CTE - Technology Education (6-12)</p>
<p>900040 Grades 9-12 Family and Consumer Sciences & Human Services This code is to be used at the high school level ONLY if another Family and Consumer Sciences & Human Services course ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	<p>1085 CTE OS - Hospitality Services (6-12) 3020 CTE OS - Child Development Care & Guidance (6-12) 3022 CTE OS - Child Development & Services (6-12) 3023 CTE OS - Food Service (6-12) 3025 CTE OS - Culinary Arts (6-12) 3027 CTE OS - Culinary Arts (6-12) 3030 CTE OS - Apparel/Textiles (6-12) 3035 CTE OS - Apparel/Textiles (6-12) 6262 CTE OS - Cosmetology (6-12) 9971 CTE - Family and Consumer Sciences (6-12)</p>
<p>900050 Grades 9-12 Trades & Industry This code is to be used at the high school level ONLY if another Trades and Industry ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.</p>	<p>5018 CTE OS - Electronics Technology (6-12) 5022 CTE OS - Automated Manufacturing (6-12) 5030 CTE OS - Electrical Technology (9-12) 6010 CTE OS - HVAC Technology (6-12) 6015 CTE OS - Plumbing Technology (6-12) 6031 CTE OS - Automotive Collision Repair (6-12)</p>

	6032 CTE OS - Automotive Maintenance & Light Repair (6-12) 6105 CTE OS - Cabinetmaking & Bench Carpentry (6-12) 6108 CTE OS - Construction Trades Technology (6-12) 6109 CTE OS - Industrial Mechanics (6-12) 6120 CTE OS - Heavy Equipment/Diesel Technology (6-12) 6232 CTE OS - Precision Machining (6-12) 6236 CTE OS - Certified Welding (6-12) 6310 CTE OS - Small Engine Repair/Power Sports (6-12)
900060 Grades 9-12 Health Professions & Public Safety This code is to be used at the high school level ONLY if another Health Professions & Public Safety ISEE assignment code does not best reflect what the teacher is teaching. Use of this code should be the exception. This assignment code does not receive Added-Cost Funding monies.	2000 CTE OS - Orientation to Health Professions (6-12) 2011 CTE OS - Dental Assisting (6-12) 2030 CTE OS - Dietitian (6-12) 2033 CTE OS - Nursing Assistant (6-12) 2055 CTE OS - Rehabilitation Services (6-12) 2085 CTE OS - Emergency Medical Technician (6-12) 2087 CTE OS - Paramedic (6-12) 2094 CTE OS - Medical Assisting (6-12) 2095 CTE OS - Pharmacy Technician (6-12) 6280 CTE OS - Firefighting (6-12) 6282 CTE OS - Law Enforcement (6-12)

CROSSWALK OF ISEE ENDORSEMENT CODES TO ASSIGNMENT CODES

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
-0001	Any Valid CTE Endorsement Code	221510	First Steps: Understanding the World of Work through Career and Technical Education (CTE)
		313000	CTE - Other District Staff
		900001	Advisory - CTE
		900002	Aide - CTE Classroom
0055	CTE Administrator (6-12)	460600	CTE Administrator
0074	CTE OS - Family & Consumer Sciences (6-12)	221010	Leadership
		222511	Foods and Nutrition
		222513	Teen Parenting
0099	CTE OS - Work Based Learning Coordinator (6-12)	100480	Work-Based Learning - Computer Support
		101481	Work-Based Learning - Network Support
		101980	Work-Based Learning - Programming & Software Development
		102480	Work-Based Learning - Business Digital Communications
		102481	Work-Based Learning - Web Design & Development
		111480	Work-Based Learning - Digital Media Technology - Journalism
		111980	Work-Based Learning - Graphic Design
		111981	Work-Based Learning - Digital Media Technology Broadcasting
		111982	Work-Based Learning - Digital Media Technology Commercial Photography
		120480	Work-Based Learning - Administrative Services
		120980	Work-Based Learning - Business Management
		121480	Work-Based Learning - Applied Accounting
		121980	Work-Based Learning - Marketing
		130980	Work-Based Learning - Automated Manufacturing
		130981	Work-Based Learning - Industrial Mechanics
		130982	Work-Based Learning - Precision Machining
		132480	Work-Based Learning - Certified Welding
		140980	Work-Based Learning - Dental Assisting
		140981	Work-Based Learning - Emergency Medical Technician
		140982	Work-Based Learning - Nursing Assistant
		140983	Work-Based Learning - Rehabilitation Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0099	CTE OS - Work Based Learning Coordinator (6-12) <i>Continued</i>	141980	Work-Based Learning - Medical Assisting
		141981	Work-Based Learning - Pharmacy Technician
		150980	Work-Based Learning - Law Enforcement
		151980	Work-Based Learning - Firefighting
		160980	Work-Based Learning - Hospitality Services
		160981	Work-Based Learning - Hospitality Management
		160982	Work-Based Learning - Culinary Arts
		170480	Work-Based Learning - Construction Trades
		170481	Work-Based Learning - Cabinetmaking & Bench Carpentry
		170980	Work-Based Learning - HVAC
		170981	Work-Based Learning - Plumbing
		171480	Work-Based Learning - Electronics Technology
		171481	Work-Based Learning - Electrical
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181480	Work-Based Learning - Animal Science
		182480	Work-Based Learning - Agribusiness/Economics
		182481	Work-Based Learning - Agriculture Communications & Leadership
		184480	Work-Based Learning - Agriculture Mechanics & Power Systems
		184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work-Based Learning - Agriculture Welding
		185482	Work-Based Learning - Ecology and Natural Resource Management
		191480	Work-Based Learning - Cosmetology
		191980	Work-Based Learning - Child Development & Services
		191981	Work-Based Learning - Education and Training
		192982	Work-Based Learning - Apparel and Textiles
		201480	Work-Based Learning - Small Engine Repair/Power Sports
		201481	Work-Based Learning - Automotive Collision Repair
		201482	Work-Based Learning - Automotive Maintenance & Light Repair
		201483	Work-Based Learning - Heavy Equipment/Diesel Technology
		210480	Work-Based Learning - Pre-Engineering Technology

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0099	CTE OS - Work Based Learning Coordinator (6-12) <i>Continued</i>	211480	Work-Based Learning - Drafting and Design
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		229980	Work-Based Learning Experience I
		229981	Work-Based Learning Experience II
		229982	Work-Based Learning Experience III
		229983	Work-Based Learning Experience IV
0108	CTE OS - Animal Health & Veterinary Sci (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181040	Equine Science
		181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work-Based Learning - Animal Science
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		185040	Natural Resource Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0108	CTE OS - Animal Health & Veterinary Sci (6-12) <i>Continued</i>	185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0109	CTE OS - Ag Business Mgmt (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180512	Applied Crop Management
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design & Marketing
		180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182031	Advanced Leadership In Agriculture & Marketing
		182032	Principles of Agricultural Communications and Leadership
		182040	Agricultural Economics
		182480	Work-Based Learning - Agribusiness/Economics
		182481	Work-Based Learning - Agriculture Communications & Leadership
		184010	Introduction to Agricultural Mechanics
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0110	CTE OS - Agricultural Production (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180981	Work-Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181040	Equine Science
		181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182040	Agricultural Economics
		182480	Work-Based Learning - Agribusiness/Economics
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		184010	Introduction to Agricultural Mechanics
		185021	Forestry Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0110	CTE OS - Agricultural Production (6-12) <i>Continued</i>	185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0114	CTE OS - Farm & Ranch Management (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180512	Applied Crop Management
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management
		181018	Standards of Agricultural Animal Science
		181050	Veterinary Science
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182040	Agricultural Economics
		182480	Work-Based Learning - Agribusiness/Economics
		184010	Introduction to Agricultural Mechanics
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0118	CTE OS - Animal Science (6-12)	180020	Introduction to Agricultural Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181040	Equine Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0118	CTE OS - Animal Science (6-12) <i>Continued</i>	181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work-Based Learning - Animal Science
		183060	Aquaculture Science
		183490	Precision Agriculture
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0119	CTE OS - Agribusiness (6-12)	180020	Introduction to Agricultural Industry
		180510	Introduction to Agricultural Plant Industry
		180513	Plant & Soil Science
		181010	Introduction to Livestock Industry
		181011	Animal Science
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182031	Advanced Leadership In Agriculture & Marketing
		182480	Work-Based Learning - Agribusiness/Economics
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0120	CTE OS - Agricultural Leadership and Communications (6-12)	180010	Introduction to Agriculture Education
		180040	Agricultural Biology
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180515	Horticulture Plant Science
		180523	Applied Greenhouse & Nursery Management
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0120	CTE OS - Agricultural Leadership and Communications (6-12) <i>Continued</i>	182032	Principles of Agricultural Communications and Leadership
		182481	Work-Based Learning - Agriculture Communications & Leadership
		183081	Food Science
		184010	Introduction to Agricultural Mechanics
		185041	Environmental Science
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0130	CTE OS - Agricultural Power Machinery (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		181010	Introduction to Livestock Industry
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184013	Agricultural Systems/Electricity & Hydraulics
		184014	Agricultural Machinery
		184015	Agricultural Structures
		184016	Advanced Small Gasoline Engines
		184017	Standards of Agricultural Mechanics & Power Systems
		184040	Agricultural Welding
		184041	Advanced Agricultural Welding
		184042	Agricultural Power Technology
		184043	Agricultural Fabrication
		184480	Work-Based Learning - Agriculture Mechanics & Power Systems
		184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work-Based Learning - Agriculture Welding
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0131	CTE OS - Agriculture Mechanics & Power Systems	180020	Introduction to Agricultural Industry
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184013	Agricultural Systems/Electricity & Hydraulics
		184014	Agricultural Machinery
		184017	Standards of Agricultural Mechanics & Power Systems
		184040	Agricultural Welding
		184042	Agricultural Power Technology
		184480	Work-Based Learning - Agriculture Mechanics & Power Systems
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0140	CTE OS - Food Science & Processing Technology (6-12)	180020	Introduction to Agricultural Industry
		181011	Animal Science
		183050	Sanitation in Food Processing
		183052	Introduction to Equipment in Food Processing
		183056	Standards of Food Science & Processing Technology
		183080	Ag Biotechnology
		183081	Food Science
		183480	Work-Based Learning - Food Science & Processing
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0150	CTE OS - Horticulture (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0150	CTE OS - Horticulture (6-12) <i>Continued</i>	180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design & Marketing
		180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182040	Agricultural Economics
		182480	Work-Based Learning - Agribusiness/Economics
		183081	Food Science
		184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		185021	Forestry Science
		185056	Advanced Forestry Science
		185057	Range Science
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0151	CTE OS - Ornamental Horticulture (6-12)	180510	Introduction to Agricultural Plant Industry
		180513	Plant & Soil Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design & Marketing
		180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0151	CTE OS - Ornamental Horticulture (6-12) <i>Continued</i>	182012	Agricultural Sales
		182031	Advanced Leadership In Agriculture & Marketing
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0152	CTE OS - Plant and Soil (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180981	Work-Based Learning - Plant and Soil
		183490	Precision Agriculture
		185041	Environmental Science
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0161	CTE OS - Aquaculture (6-12)	180010	Introduction to Agriculture Education
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180510	Introduction to Agricultural Plant Industry
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181070	Science of Animal Nutrition
		181480	Work-Based Learning - Animal Science
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0161	CTE OS - Aquaculture (6-12) <i>Continued</i>	183080	Ag Biotechnology
		183081	Food Science
		184010	Introduction to Agricultural Mechanics
		185040	Natural Resource Science
		185041	Environmental Science
		185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185482	Work-Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0170	CTE OS - Forestry (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design & Marketing
		180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0170	CTE OS - Forestry (6-12) <i>Continued</i>	182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		185021	Forestry Science
		185040	Natural Resource Science
		185041	Environmental Science
		185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185052	Advanced Environmental Science Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work-Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0174	CTE OS - Natural Resource Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0174	CTE OS - Natural Resource Management (6-12) <i>Continued</i>	180522	Advanced Floral Design & Marketing
		180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		181013	Applied Livestock Management
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		183060	Aquaculture Science
		183490	Precision Agriculture
		184010	Introduction to Agricultural Mechanics
		185021	Forestry Science
		185040	Natural Resource Science
		185041	Environmental Science
		185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185052	Advanced Environmental Science Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work-Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
0175	CTE OS - Ecology and Natural Resource Management (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		183490	Precision Agriculture
		185021	Forestry Science

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
0175	CTE OS - Ecology and Natural Resource Management (6-12) <i>Continued</i>	185040	Natural Resource Science
		185041	Environmental Science
		185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185052	Advanced Environmental Science Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work-Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
1010	CTE OS - Marketing (6-12)	120010	Business Essentials
		120090	Business Communications
		120560	International Business/Marketing
		120561	Business Marketing
		121040	Accounting I
		121530	Fashion Merchandising & Marketing
		121610	Retail Merchandising
		121630	Sports & Entertainment Marketing
		121640	Principles of Marketing
		121650	Principles of Promotion
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing
		121980	Work-Based Learning - Marketing
		121981	Marketing School-Based Enterprise
		129985	Marketing Research
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
1085	CTE OS - Hospitality Services (6-12)	160980	Work-Based Learning - Hospitality Services
		161510	Hospitality Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
1085	CTE OS - Hospitality Services (6-12) <i>Continued</i>	161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality & Tourism
		221010	Leadership
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
1087	CTE OS - Hospitality Management (6-12)	100050	Business Computer Applications I
		102030	Introduction to Interactive Media
		120010	Business Essentials
		120090	Business Communications
		120540	Business Law/Ethics Applications
		120552	Business Management
		120990	Leadership in Business and Marketing
		121040	Accounting I
		121640	Principles of Marketing
		121660	Principles of Management
		160550	Hospitality Management I
		160551	Hospitality Management II
		160981	Work-Based Learning - Hospitality Management
		161511	Travel & Tourism
		161520	English for Travel & Tourism
		161521	Promoting Hospitality and Tourism
		161522	Travel & Tourism II: Travel as a Business
		161530	Geography for Travel & Tourism
		161550	Tour Idaho
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
2000	CTE OS - Orientation to Health Professions (6-12)	140010	Fundamentals of Health Professions
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2011	CTE OS - Dental Assisting (6-12)	140010	Fundamentals of Health Professions
		140540	Fundamentals of Dental Assisting
		140980	Work-Based Learning - Dental Assisting
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2030	CTE OS - Dietitian (6-12)	140010	Fundamentals of Health Professions
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		222510	Healthy Living, Healthy World
		222511	Foods and Nutrition
		222512	Food Science and Nutrition
		222518	Advanced Nutrition and Wellness
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2033	CTE OS - Nursing Assistant (6-12)	140010	Fundamentals of Health Professions
		140510	Nursing Assistant
		140982	Work-Based Learning - Nursing Assistant
		140990	Mental Health Assistant
		141520	Pharmacy Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141981	Work-Based Learning - Pharmacy Technician
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2055	CTE OS - Rehabilitation Services (6-12)	140010	Fundamentals of Health Professions
		140620	Sports Medicine/Athletic Training
		140622	Rehabilitation Services
		140983	Work-Based Learning - Rehabilitation Services
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2055	CTE OS - Rehabilitation Services (6-12) <i>Continued</i>	800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2085	CTE OS - Emergency Medical Technician (6-12)	140010	Fundamentals of Health Professions
		140550	Emergency Medical Technician
		140551	Emergency Medical Responder
		140981	Work-Based Learning - Emergency Medical Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		150010	Orientation to Police, Fire, and Emergency Services
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2087	CTE OS - Paramedic (6-12)	140010	Fundamentals of Health Professions
		140550	Emergency Medical Technician
		140551	Emergency Medical Responder
		140981	Work-Based Learning - Emergency Medical Technician
		141520	Pharmacy Technician
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141981	Work-Based Learning - Pharmacy Technician
		150010	Orientation to Police, Fire, and Emergency Services
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2094	CTE OS - Medical Assisting (6-12)	140010	Fundamentals of Health Professions
		141514	Fundamentals of Medical Assisting
		141515	Advanced Medical Assisting
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
		141980	Work-Based Learning - Medical Assisting
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
2095	CTE OS - Pharmacy Technician (6-12)	140010	Fundamentals of Health Professions
		141520	Pharmacy Technician
		141540	Medical Terminology
		141981	Work-Based Learning - Pharmacy Technician
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
2098	CTE OS - Sports Medicine/Athletic Trng (6-12)	140010	Fundamentals of Health Professions
		140620	Sports Medicine/Athletic Training
		140983	Work-Based Learning - Rehabilitation Services
		141540	Medical Terminology
		141551	Anatomy and Physiology for Health Professions
3020	CTE OS - Child Development Care & Guidance (6-12)	191530	Early Childhood Professions
		191531	Early Childhood Education
		191540	Explore Working with Young Children
		191980	Work-Based Learning - Child Development & Services
		221010	Leadership
		222510	Healthy Living, Healthy World
		222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
3022	CTE OS - Child Development & Services (6-12)	191530	Early Childhood Professions
		191531	Early Childhood Education
		191540	Explore Working with Young Children
		191980	Work-Based Learning - Child Development & Services
		222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3023	CTE OS - Food Service (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine
		160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality & Tourism
		161550	Tour Idaho
		221010	Leadership
		222510	Healthy Living, Healthy World
		222511	Foods and Nutrition
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
3025	CTE OS - Culinary Arts (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine
		160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality & Tourism
		161550	Tour Idaho
		221010	Leadership
		222510	Healthy Living, Healthy World
		222511	Foods and Nutrition
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3027	CTE OS - Culinary Arts (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine
		160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality & Tourism
		161550	Tour Idaho
		221010	Leadership
		222511	Foods and Nutrition
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
3030	CTE OS - Apparel/Textiles (6-12)	192010	Fashion/Design and Merchandising
		192011	Fashion and Textiles
		192012	Fashion Strategies
		192030	Apparel Construction Fundamentals
		192050	Housing, Interiors, and Furnishings
		192982	Work-Based Learning - Apparel and Textiles
		221010	Leadership
		222510	Healthy Living, Healthy World
		222515	Teen Living
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
3035	CTE OS - Apparel/Textiles (6-12)	192010	Fashion/Design and Merchandising
		192011	Fashion and Textiles
		192012	Fashion Strategies
		192030	Apparel Construction Fundamentals
		192050	Housing, Interiors, and Furnishings
		192982	Work-Based Learning - Apparel and Textiles
		221010	Leadership

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
3035	CTE OS - Apparel/Textiles (6-12) <i>Continued</i>	800040	Grades 6-8 Family and Consumer Sciences & Human Services
4012	CTE OS - Administrative Services (6-12)	900040	Grades 9-12 Family and Consumer Sciences & Human Services
		111040	Publishing I
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications
		120480	Work-Based Learning - Administrative Services
		120540	Business Law/Ethics Applications
		120552	Business Management
		121013	Personal Business Finance
		121040	Accounting I
		121640	Principles of Marketing
		121670	Marketing Economics (Applied Economics)
		129998	Business Math
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4015	CTE OS - Business Management/Finance (6-12)	100010	Computer Technology I
		100050	Business Computer Applications I
		100051	Business Computer Applications II
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications
		120480	Work-Based Learning - Administrative Services
		120530	Business Ownership/Entrepreneurship
		120540	Business Law/Ethics Applications
		120552	Business Management
		120560	International Business/Marketing
		120980	Work-Based Learning - Business Management
		120990	Leadership in Business and Marketing
		121011	Financial Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4015	CTE OS - Business Management/Finance (6-12) <i>Continued</i>	121012	Banking & Finance Services
		121013	Personal Business Finance
		121030	Financial Planning/Financial Operations
		121040	Accounting I
		121041	Accounting II
		121050	Economics & the World of Finance
		121060	Principles of Insurance
		121070	Securities
		121490	International Finance
		121491	Principles of World Finance
		121620	E-Commerce
		121630	Sports & Entertainment Marketing
		121640	Principles of Marketing
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing
		121980	Work-Based Learning - Marketing
		129985	Marketing Research
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4017	CTE OS - Business Management (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		120010	Business Essentials
		120090	Business Communications
		120530	Business Ownership/Entrepreneurship
		120540	Business Law/Ethics Applications
		120552	Business Management
		120560	International Business/Marketing
		120980	Work-Based Learning - Business Management
		121013	Personal Business Finance
		121040	Accounting I
		121640	Principles of Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4017	CTE OS - Business Management (6-12) <i>Continued</i>	121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4020	CTE OS - Microcomputer Applications (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II
		100510	Information Technology
		120010	Business Essentials
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4022	CTE OS - Business Digital Communications (6-12)	100050	Business Computer Applications I
		102010	Web Design I - Introduction to XHTML & XML
		102011	Web Design II - Web Site Authoring Tools
		102014	Business Digital Communications
		102030	Introduction to Interactive Media
		102480	Work-Based Learning - Business Digital Communications
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4024	CTE OS - Information/Communication Tech (6-12)	100010	Computer Technology I
		100011	Computer Technology II
		100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I
		100051	Business Computer Applications II
		100052	Business Computer Applications III

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4024	CTE OS - Information/Communication Tech (6-12) <i>Continued</i>	100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100470	Computer Science Advanced Studies
		100510	Information Technology
		100520	Computer Science-Database Design & Programming
		101480	Advanced Networking
		101522	Programming & Software Development I
		101523	Programming & Software Development II
		101524	Programming & Software Development III
		101980	Work-Based Learning - Programming & Software Development
		102010	Web Design I - Introduction to XHTML & XML
		102011	Web Design II - Web Site Authoring Tools
		102012	Web Design & Development I
		102013	Web Design & Development II
		102014	Business Digital Communications
		102015	Web Design & Development III
		102030	Introduction to Interactive Media
		102480	Work-Based Learning - Business Digital Communications
		102481	Work-Based Learning - Web Design & Development
		102540	Computer Support Essentials
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		121620	E-Commerce
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
4077	CTE OS - Applied Accounting (6-12)	100050	Business Computer Applications I
		100051	Business Computer Applications II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
4077	CTE OS - Applied Accounting (6-12) <i>Continued</i>	120010	Business Essentials
		120030	Business Administration
		120090	Business Communications
		120552	Business Management
		121011	Financial Services
		121013	Personal Business Finance
		121020	Banking & Credit
		121030	Financial Planning/Financial Operations
		121040	Accounting I
		121041	Accounting II
		121042	Computerized Accounting
		121050	Economics & the World of Finance
		121070	Securities
		121110	Forensic Accounting & Fraud Investigation
		121480	Work-Based Learning - Applied Accounting
		121490	International Finance
		129998	Business Math
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
5015	CTE OS - Pre-Engineering Technology (6-12)	210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design
		210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210093	Robotics & Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering & Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
5015	CTE OS - Pre-Engineering Technology (6-12) <i>Continued</i>	210480	Work-Based Learning - Pre-Engineering Technology
		210520	Advanced Design Applications
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
5018	CTE OS - Electronics Technology (6-12)	171062	Electronics Technology Level I
		171063	Electronics Technology Level II
		171064	Electronics Technology Level III
		171480	Work-Based Learning - Electronics Technology
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
5022	CTE OS - Automated Manufacturing (6-12)	130025	Automated Manufacturing Level I
		130026	Automated Manufacturing Level II
		130027	Automated Manufacturing Level III
		130980	Work-Based Learning - Automated Manufacturing
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
5030	CTE OS - Electrical Technology (9-12)	170010	Construction Careers Exploration
		171020	Electrical Level II
		171025	Electrical Level III
		171062	Electronics Technology Level I
		171063	Electronics Technology Level II
		171064	Electronics Technology Level III
		171480	Work-Based Learning - Electronics Technology
		171481	Work-Based Learning - Electrical
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6010	CTE OS - HVAC Technology (6-12)	170010	Construction Careers Exploration
		170560	HVAC Level II
		170565	HVAC Level III
		170980	Work-Based Learning - HVAC
		800050	Grades 6-8 Trades & Industry

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6010	CTE OS - HVAC Technology (6-12) <i>Continued</i>	900050	Grades 9-12 Trades & Industry
6015	CTE OS - Plumbing Technology (6-12)	170010	Construction Careers Exploration
		170580	Plumbing Level II
		170585	Plumbing Level III
		170981	Work-Based Learning - Plumbing
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6031	CTE OS - Automotive Collision Repair (6-12)	201033	Transportation Systems Exploration
		201160	Automotive Collision Repair Level I
		201161	Automotive Collision Repair Level II
		201162	Automotive Collision Repair Level III
		201481	Work-Based Learning - Automotive Collision Repair
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6032	CTE OS - Automotive Maintenance & Light Repair (6-12)	201030	Automotive Technology Level I
		201031	Automotive Technology Level II
		201032	Automotive Technology Level III
		201033	Transportation Systems Exploration
		201482	Work-Based Learning - Automotive Maintenance & Light Repair
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6105	CTE OS - Cabinetmaking & Bench Carpentry (6-12)	170010	Construction Careers Exploration
		170071	Cabinetry and Millwork Level I
		170072	Cabinetry and Millwork Level II
		170073	Cabinetry and Millwork Level III
		170481	Work-Based Learning - Cabinetmaking & Bench Carpentry
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6108	CTE OS - Construction Trades Technology (6-12)	170010	Construction Careers Exploration
		170010	Construction Careers Exploration

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6108	CTE OS - Construction Trades Technology (6-12) <i>Continued</i>	170030	Residential Carpentry/Building Construction Level I
		170031	Residential Carpentry/Building Construction Level II
		170032	Residential Carpentry/Building Construction Level III
		170071	Cabinetry and Millwork Level I
		170072	Cabinetry and Millwork Level II
		170073	Cabinetry and Millwork Level III
		170480	Work-Based Learning - Construction Trades
		170481	Work-Based Learning - Cabinetmaking & Bench Carpentry
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6109	CTE OS - Industrial Mechanics (6-12)	130022	Industrial Maintenance Mechanics Level I
		130023	Industrial Maintenance Mechanics Level II
		130024	Industrial Maintenance Mechanics Level III
		130981	Work-Based Learning - Industrial Mechanics
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6120	CTE OS - Heavy Equipment/Diesel Technology (6-12)	201033	Transportation Systems Exploration
		201070	Heavy Equipment/Diesel Level I
		201071	Heavy Equipment/Diesel Level II
		201072	Heavy Equipment/Diesel Level III
		201483	Work-Based Learning - Heavy Equipment/Diesel Technology
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6130	CTE OS - Drafting and Design (6-12)	211020	Introduction to Drafting/Design Technology
		211021	Drafting I
		211022	Drafting II
		211023	Drafting III
		211025	3D Solid Modeling
		211480	Work-Based Learning - Drafting and Design
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6131	CTE OS - Architectural Drafting Technology (6-12)	211021	Drafting I
		211022	Drafting II
		211023	Drafting III
6132	CTE OS - Mechanical Drafting Technology (6-12)	211021	Drafting I
		211022	Drafting II
		211023	Drafting III
6151	CTE OS - Programming & Web Technologies (6-12)	100030	Fundamentals of Information Systems Technology
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100210	Cloud Computing I
		100211	Cloud Computing II
		101522	Programming & Software Development I
		101523	Programming & Software Development II
		101524	Programming & Software Development III
		101980	Work-Based Learning - Programming & Software Development
		102012	Web Design & Development I
		102013	Web Design & Development II
		102015	Web Design & Development III
		102481	Work-Based Learning - Web Design & Development
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6153	CTE OS - Network & Computer Support (6-12)	100030	Fundamentals of Information Systems Technology
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100470	Computer Science Advanced Studies
		100480	Work-Based Learning - Computer Support
		101010	Networking Support I
		101030	Networking Support II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6153	CTE OS - Network & Computer Support (6-12) <i>Continued</i>	101481	Work-Based Learning - Network Support
		101522	Programming & Software Development I
		101523	Programming & Software Development II
		101524	Programming & Software Development III
		102012	Web Design & Development I
		102013	Web Design & Development II
		102015	Web Design & Development III
		102481	Work-Based Learning - Web Design & Development
		102530	Desktop Support I
		102531	Desktop Support II
		102532	Technology Assistant Internship
		102540	Computer Support Essentials
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6154	CTE OS - Networking Support (6-12)	100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I
		100470	Computer Science Advanced Studies
		101010	Networking Support I
		101030	Networking Support II
		101481	Work-Based Learning - Network Support
		102540	Computer Support Essentials
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6155	CTE OS - Computer Science/Information Technology (6-12)	100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
6156	CTE OS - Computer Support Technologies (6-12)	100030	Fundamentals of Information Systems Technology
		100470	Computer Science Advanced Studies
		100480	Work-Based Learning - Computer Support
		102530	Desktop Support I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6156	CTE OS - Computer Support Technologies (6-12) <i>Continued</i>	102531	Desktop Support II
		102540	Computer Support Essentials
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6157	CTE OS - Computer Science PLTW (6-12)	100130	PLTW Computer Science Essentials
		100140	PLTW Computer Science A
		100150	PLTW Computer Science Principles
		100160	PLTW Cybersecurity
6158	CTE OS - Programming & Software Development (6-12)	100470	Computer Science Advanced Studies
		100210	Cloud Computing I
		100211	Cloud Computing II
		101522	Programming & Software Development I
		101523	Programming & Software Development II
		101524	Programming & Software Development III
		101980	Work-Based Learning - Programming & Software Development
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6159	CTE OS - Web Design and Development (6-12)	100210	Cloud Computing I
		100211	Cloud Computing II
		102012	Web Design & Development I
		102013	Web Design & Development II
		102015	Web Design & Development III
		102481	Work-Based Learning - Web Design & Development
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6180	CTE OS - Journalism (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6180	CTE OS - Journalism (6-12) <i>Continued</i>	111011	Journalism Level II
		111012	Journalism Level III
		111480	Work-Based Learning - Digital Media Technology - Journalism
		111533	Media Technologies Fundamentals
		111535	Digital Imaging Technology
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6190	CTE OS - Graphic Design (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I
		111011	Journalism Level II
		111012	Journalism Level III
		111480	Work-Based Learning - Digital Media Technology - Journalism
		111530	Interactive Media - Graphics I
		111533	Media Technologies Fundamentals
		111534	Interactive Media - Graphics II
		111535	Digital Imaging Technology
		111540	Graphic Communications Level I
		111541	Graphic Communications Level II
		111542	Graphic Communications Level III
		111980	Work-Based Learning - Graphic Design
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6192	CTE OS - Commercial Photography (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111010	Journalism Level I
		111011	Journalism Level II
		111012	Journalism Level III

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6192	CTE OS – Commercial Photography (6-12) <i>Continued</i>	111533	Media Technologies Fundamentals
		111535	Digital Imaging Technology
		111982	Work-Based Learning - Digital Media Technology Commercial Photography
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6197	CTE OS - Digital Media Production (6-12)	110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111030	Broadcast/Video Technologies Level I
		111031	Broadcast/Video Technologies Level II
		111032	Broadcast/Video Technologies Level III
		111533	Media Technologies Fundamentals
		111981	Work-Based Learning - Digital Media Technology Broadcasting
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
6232	CTE OS - Precision Machining (6-12)	130982	Work-Based Learning - Precision Machining
		132030	Precision Machining Level I
		132031	Precision Machining Level II
		132032	Precision Machining Level III
		800050	Grades 6-8 Trades & Industry
		900050	Grades 9-12 Trades & Industry
6236	CTE OS - Certified Welding (6-12)	132070	Welding Level I
		132071	Welding Level II
		132072	Welding Level III
		132480	Work-Based Learning - Certified Welding
		184010	Introduction to Agricultural Mechanics
		184040	Agricultural Welding
		184041	Advanced Agricultural Welding
		184043	Agricultural Fabrication
		184482	Work-Based Learning - Agriculture Welding
		800010	Grades 6-8 Agriculture, Food, & Natural Resources

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6236	CTE OS – Certified Welding (6-12) <i>Continued</i>	800050	Grades 6-8 Trades & Industry
		900010	Grades 9-12 Agriculture, Food & Natural Resources
		900050	Grades 9-12 Trades & Industry
6262	CTE OS - Cosmetology (6-12)	191010	Cosmetology I
		191011	Cosmetology II
		191012	Cosmetology III
		191480	Work-Based Learning - Cosmetology
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
6280	CTE OS - Firefighting (6-12)	150010	Orientation to Police, Fire, and Emergency Services
		151520	Essentials of Firefighting
		151521	Firefighting II
		151980	Work-Based Learning - Firefighting
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
6282	CTE OS - Law Enforcement (6-12)	150010	Orientation to Police, Fire, and Emergency Services
		150540	Law Enforcement, Detention, and Corrections I
		150541	Law Enforcement, Detention, and Corrections II
		150980	Work-Based Learning - Law Enforcement
		800060	Grades 6-8 Health Professions & Public Safety
		900060	Grades 9-12 Health Professions & Public Safety
6310	CTE OS - Small Engine Repair/Power Sports (6-12)	184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184014	Agricultural Machinery
		184016	Advanced Small Gasoline Engines
		184042	Agricultural Power Technology
		184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		201033	Transportation Systems Exploration
		201101	Small Engine Repair Level I
		201102	Small Engine Repair Level II

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
6310	CTE OS – Small Engine Repair/Power Sports (6-12) <i>Continued</i>	201103	Small Engine Repair Level III
		201480	Work-Based Learning - Small Engine Repair/Power Sports
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		800050	Grades 6-8 Trades & Industry
		900010	Grades 9-12 Agriculture, Food & Natural Resources
		900050	Grades 9-12 Trades & Industry
7016	CTE - Career Counselor (6-12)	100480	Work-Based Learning - Computer Support
		101481	Work-Based Learning - Network Support
		101980	Work-Based Learning - Programming & Software Development
		102480	Work-Based Learning - Business Digital Communications
		102481	Work-Based Learning - Web Design & Development
		111480	Work-Based Learning - Digital Media Technology - Journalism
		111980	Work-Based Learning - Graphic Design
		111981	Work-Based Learning - Digital Media Technology Broadcasting
		111982	Work-Based Learning - Digital Media Technology Commercial Photography
		120480	Work-Based Learning - Administrative Services
		120980	Work-Based Learning - Business Management
		121480	Work-Based Learning - Applied Accounting
		121980	Work-Based Learning - Marketing
		130980	Work-Based Learning - Automated Manufacturing
		130981	Work-Based Learning - Industrial Mechanics
		130982	Work-Based Learning - Precision Machining
		132480	Work-Based Learning - Certified Welding
		140980	Work-Based Learning - Dental Assisting
		140981	Work-Based Learning - Emergency Medical Technician
		140982	Work-Based Learning - Nursing Assistant
		140983	Work-Based Learning - Rehabilitation Services
		141980	Work-Based Learning - Medical Assisting
		141981	Work-Based Learning - Pharmacy Technician
		150980	Work-Based Learning - Law Enforcement
		151980	Work-Based Learning - Firefighting
		160980	Work-Based Learning - Hospitality Services

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) <i>Continued</i>	160981	Work-Based Learning - Hospitality Management
		160982	Work-Based Learning - Culinary Arts
		170480	Work-Based Learning - Construction Trades
		170481	Work-Based Learning - Cabinetmaking & Bench Carpentry
		170980	Work-Based Learning - HVAC
		170981	Work-Based Learning - Plumbing
		171480	Work-Based Learning - Electronics Technology
		171481	Work-Based Learning - Electrical
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181480	Work-Based Learning - Animal Science
		182480	Work-Based Learning - Agribusiness/Economics
		182481	Work-Based Learning - Agriculture Communications & Leadership
		184480	Work-Based Learning - Agriculture Mechanics & Power Systems
		184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work-Based Learning - Agriculture Welding
		185482	Work-Based Learning - Ecology and Natural Resource Management
		191480	Work-Based Learning - Cosmetology
		191980	Work-Based Learning - Child Development & Services
		191981	Work-Based Learning - Education and Training
		192982	Work-Based Learning - Apparel and Textiles
		201480	Work-Based Learning - Small Engine Repair/Power Sports
		201481	Work-Based Learning - Automotive Collision Repair
		201482	Work-Based Learning - Automotive Maintenance & Light Repair
		201483	Work-Based Learning - Heavy Equipment/Diesel Technology
		210480	Work-Based Learning - Pre-Engineering Technology
		211480	Work-Based Learning - Drafting and Design
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		229980	Work-Based Learning Experience I
		229981	Work-Based Learning Experience II
		229982	Work-Based Learning Experience III

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
7016	CTE - Career Counselor (6-12) <i>Continued</i>	229983	Work-Based Learning Experience IV
9092	CTE - Marketing Technology Education (6-12)	111040	Publishing I
		111041	Publishing II
		120010	Business Essentials
		120021	Office Technologies
		120090	Business Communications
		120480	Work-Based Learning - Administrative Services
		120530	Business Ownership/Entrepreneurship
		120540	Business Law/Ethics Applications
		120552	Business Management
		120560	International Business/Marketing
		120561	Business Marketing
		120990	Leadership in Business and Marketing
		121011	Financial Services
		121012	Banking & Finance Services
		121013	Personal Business Finance
		121020	Banking & Credit
		121030	Financial Planning/Financial Operations
		121040	Accounting I
		121050	Economics & the World of Finance
		121060	Principles of Insurance
		121070	Securities
		121491	Principles of World Finance
		121530	Fashion Merchandising & Marketing
		121610	Retail Merchandising
		121620	E-Commerce
		121630	Sports & Entertainment Marketing
		121640	Principles of Marketing
		121650	Principles of Promotion
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9092	CTE - Marketing Technology Education (6-12) <i>Continued</i>	121980	Work-Based Learning - Marketing
		121981	Marketing School-Based Enterprise
		129985	Marketing Research
		129990	HSB Leadership
		129991	HSB Wealth Management
		129992	HSB Principles of Business
		129993	HSB Business Economics
		129994	HSB Principles of Marketing
		129995	HSB Principles of Finance
		129996	HSB Principles of Management
		129997	HSB Business Strategies
		129998	Business Math
		160550	Hospitality Management I
		160551	Hospitality Management II
		160981	Work-Based Learning - Hospitality Management
		161511	Travel & Tourism
		161520	English for Travel & Tourism
		161521	Promoting Hospitality and Tourism
		161522	Travel & Tourism II: Travel as a Business
		161530	Geography for Travel & Tourism
		221520	Strategies for Success
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
9093	CTE - Business Technology Education (6-12)	100010	Computer Technology I
		100011	Computer Technology II
		100030	Fundamentals of Information Systems Technology
		100050	Business Computer Applications I
		100051	Business Computer Applications II
		100052	Business Computer Applications III
		100510	Information Technology
		100520	Computer Science-Database Design & Programming
		101480	Advanced Networking

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) <i>Continued</i>	101520	Computer Programming & Software Development I
		101521	Computer Programming & Software Development II
		102010	Web Design I - Introduction to XHTML & XML
		102011	Web Design II - Web Site Authoring Tools
		102014	Business Digital Communications
		102030	Introduction to Interactive Media
		102480	Work-Based Learning - Business Digital Communications
		102532	Technology Assistant Internship
		102560	Computer Design & Networking
		110550	Interactive Media - Video I
		110551	Interactive Media - Video II
		111040	Publishing I
		111041	Publishing II
		111530	Interactive Media - Graphics I
		111534	Interactive Media - Graphics II
		120010	Business Essentials
		120021	Office Technologies
		120030	Business Administration
		120090	Business Communications
		120480	Work-Based Learning - Administrative Services
		120530	Business Ownership/Entrepreneurship
		120540	Business Law/Ethics Applications
		120552	Business Management
		120560	International Business/Marketing
		120561	Business Marketing
		120980	Work-Based Learning - Business Management
		120990	Leadership in Business and Marketing
		121011	Financial Services
		121012	Banking & Finance Services
		121013	Personal Business Finance
		121020	Banking & Credit
		121030	Financial Planning/Financial Operations

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) <i>Continued</i>	121040	Accounting I
		121041	Accounting II
		121042	Computerized Accounting
		121050	Economics & the World of Finance
		121060	Principles of Insurance
		121070	Securities
		121110	Forensic Accounting & Fraud Investigation
		121480	Work-Based Learning - Applied Accounting
		121490	International Finance
		121491	Principles of World Finance
		121530	Fashion Merchandising & Marketing
		121610	Retail Merchandising
		121620	E-Commerce
		121630	Sports & Entertainment Marketing
		121640	Principles of Marketing
		121650	Principles of Promotion
		121660	Principles of Management
		121670	Marketing Economics (Applied Economics)
		121671	Digital Marketing
		121980	Work-Based Learning - Marketing
		121981	Marketing School-Based Enterprise
		129985	Marketing Research
		129990	HSB Leadership
		129991	HSB Wealth Management
		129992	HSB Principles of Business
		129993	HSB Business Economics
		129994	HSB Principles of Marketing
		129995	HSB Principles of Finance
		129996	HSB Principles of Management
		129997	HSB Business Strategies
		129998	Business Math
		160550	Hospitality Management I

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9093	CTE - Business Technology Education (6-12) <i>Continued</i>	160551	Hospitality Management II
		160981	Work-Based Learning - Hospitality Management
		161511	Travel & Tourism
		161520	English for Travel & Tourism
		161521	Promoting Hospitality and Tourism
		161522	Travel & Tourism II: Travel as a Business
		161530	Geography for Travel & Tourism
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		229980	Work-Based Learning Experience I
		229981	Work-Based Learning Experience II
		229982	Work-Based Learning Experience III
		229983	Work-Based Learning Experience IV
		800020	Grades 6-8 Business and Marketing
		900020	Grades 9-12 Business and Marketing
9400	CTE - Computer Science (6-12)	100030	Fundamentals of Information Systems Technology
		100130	PLTW Computer Science Essentials
		100140	PLTW Computer Science A
		100150	PLTW Computer Science Principles
		100160	PLTW Cybersecurity
		100190	Computer Science I
		100191	Computer Science II
		100192	Computer Science III
		100210	Cloud Computing I
		100211	Cloud Computing II
		100470	Computer Science Advanced Studies
		101522	Programming & Software Development I
		101523	Programming & Software Development II
		101524	Programming & Software Development III
		101980	Work-Based Learning - Programming & Software Development
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 6-8 Engineering & Technology Education

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9401	CTE - Engineering (6-12)	210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design
		210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210092	Introduction to Robotics
		210093	Robotics & Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering & Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering
		210480	Work-Based Learning - Pre-Engineering Technology
		210520	Advanced Design Applications
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education
9921	CTE - Agriculture Science and Technology (6-12)	180010	Introduction to Agriculture Education
		180015	Introduction to Natural Resources and Ecosystem Services
		180020	Introduction to Agricultural Industry
		180040	Agricultural Biology
		180052	Environmental Sciences Technology Applications
		180510	Introduction to Agricultural Plant Industry
		180511	Science of Plant Growth & Development
		180512	Applied Crop Management
		180513	Plant & Soil Science
		180514	Standards of Agricultural Plant Science
		180515	Horticulture Plant Science
		180520	Landscape Design
		180521	Floral Design and Marketing
		180522	Advanced Floral Design & Marketing

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) <i>Continued</i>	180523	Applied Greenhouse & Nursery Management
		180524	Standards of Agricultural Ornamental Horticulture
		180980	Work-Based Learning - Ornamental Horticulture
		180981	Work-Based Learning - Plant and Soil
		181010	Introduction to Livestock Industry
		181011	Animal Science
		181013	Applied Livestock Management
		181017	Science of Animal Reproduction
		181018	Standards of Agricultural Animal Science
		181020	Small Animal Care
		181040	Equine Science
		181041	Advanced Equine Science
		181050	Veterinary Science
		181070	Science of Animal Nutrition
		181480	Work-Based Learning - Animal Science
		182010	Agribusiness Management & Marketing
		182011	Agricultural Business & Economics
		182012	Agricultural Sales
		182020	Experiential Learning and SAE Programs
		182030	Personal Skill Development
		182031	Advanced Leadership In Agriculture & Marketing
		182032	Principles of Agricultural Communications and Leadership
		182040	Agricultural Economics
		182481	Work-Based Learning - Agriculture Communications & Leadership
		183050	Sanitation in Food Processing
		183052	Introduction to Equipment in Food Processing
		183056	Standards of Food Science & Processing Technology
		183060	Aquaculture Science
		183080	Ag Biotechnology
		183081	Food Science
		183480	Work-Based Learning - Food Science & Processing
		183490	Precision Agriculture

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9921	CTE - Agriculture Science and Technology (6-12) <i>Continued</i>	184010	Introduction to Agricultural Mechanics
		184011	Small Gasoline Engines
		184012	Agricultural Power Technology - Large Engines
		184013	Agricultural Systems/Electricity & Hydraulics
		184014	Agricultural Machinery
		184015	Agricultural Structures
		184016	Advanced Small Gasoline Engines
		184017	Standards of Agricultural Mechanics & Power Systems
		184040	Agricultural Welding
		184041	Advanced Agricultural Welding
		184042	Agricultural Power Technology
		184043	Agricultural Fabrication
		184480	Work-Based Learning - Agriculture Mechanics & Power Systems
		184481	Work-Based Learning - Agriculture Small Engine Repair/Power Sports
		184482	Work-Based Learning - Agriculture Welding
		185021	Forestry Science
		185040	Natural Resource Science
		185041	Environmental Science
		185050	Introduction to Environmental Science Technology
		185051	Environmental Sciences Technology Applications
		185052	Advanced Environmental Science Technology Applications
		185053	Forestry and Wildlife Management
		185054	Fish and Wildlife Science
		185056	Advanced Forestry Science
		185057	Range Science
		185482	Work-Based Learning - Ecology and Natural Resource Management
		800010	Grades 6-8 Agriculture, Food, & Natural Resources
		900010	Grades 9-12 Agriculture, Food & Natural Resources
9971	CTE - Family and Consumer Sciences (6-12)	160523	Introduction to Culinary Arts
		160524	Advanced Culinary Arts
		160530	Foundational Foods
		160560	International Cuisine

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9971	CTE - Family and Consumer Sciences (6-12) <i>Continued</i>	160980	Work-Based Learning - Hospitality Services
		160982	Work-Based Learning - Culinary Arts
		161510	Hospitality Services
		161512	Introduction to Hospitality Essentials
		161513	Explore Hospitality & Tourism
		161550	Tour Idaho
		190010	Human Services
		190012	Advanced Human Services
		190014	Introduction to Family and Consumer Sciences (FCS) & Human Services Careers
		191510	Education Assistant
		191511	Advanced Education Assistant
		191530	Early Childhood Professions
		191531	Early Childhood Education
		191540	Explore Working with Young Children
		191980	Work-Based Learning - Child Development & Services
		191981	Work-Based Learning - Education and Training
		192010	Fashion/Design and Merchandising
		192011	Fashion and Textiles
		192012	Fashion Strategies
		192030	Apparel Construction Fundamentals
		192050	Housing, Interiors, and Furnishings
		192610	Human Growth and Development
		192982	Work-Based Learning - Apparel and Textiles
		221010	Leadership
		221520	Strategies for Success
		221521	Career Exploration and Employment Preparation
		221522	Family and Consumer Sciences (FCS) Professions
		221523	Career and Personal Development
		222080	Family Health and Wellness
		222510	Healthy Living, Healthy World
		222511	Foods and Nutrition
		222512	Food Science and Nutrition

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9971	CTE - Family and Consumer Sciences (6-12) <i>Continued</i>	222513	Teen Parenting
		222514	Parenting and Child Development
		222515	Teen Living
		222516	Adult Living
		222517	Personal and Family Finance/Economics
		222518	Advanced Nutrition and Wellness
		229984	Entrepreneurship Experience
		800040	Grades 6-8 Family and Consumer Sciences & Human Services
		900040	Grades 9-12 Family and Consumer Sciences & Human Services
9981	CTE - Technology Education (6-12)	110010	Communication Systems I
		110020	Communication Systems II
		110520	Photography Level I
		110521	Photography Level II
		110522	Photography Level III
		110552	Video Editing Technology
		111535	Digital Imaging Technology
		111540	Graphic Communications Level I
		130020	Manufacturing Systems I
		130021	Manufacturing Systems II
		170010	Construction Careers Exploration
		170020	Construction Systems I
		170021	Construction Systems II
		170070	Introduction to Cabinetry
		170074	Advanced Cabinetry
		171060	Introduction to Electronics Technology
		171061	Electronics Applications
		171480	Work-Based Learning - Electronics Technology
		201010	Power, Energy, and Transportation Systems
		201011	Power, Energy, and Transportation Systems II
		210030	Fundamentals of Engineering Technology
		210050	Principles of Engineering
		210051	Technological Design

Endorsement Code	Endorsement Title	Assignment Code	Assignment Title
9981	CTE - Technology Education (6-12) <i>Continued</i>	210060	Introduction to Engineering Design
		210061	Digital Electronics
		210062	ITEEA Engineering Design
		210064	Engineering Design and Development
		210090	Robotics Engineering
		210091	Robotics Applications
		210092	Introduction to Robotics
		210093	Robotics & Automation
		210100	Computer Integrated Manufacturing
		210120	Civil Engineering & Architecture
		210130	Aerospace Engineering
		210140	Biotechnical Engineering
		210480	Work-Based Learning - Pre-Engineering Technology
		210520	Advanced Design Applications
		211020	Introduction to Drafting/Design Technology
		211025	3D Solid Modeling
		211030	Introduction to Architectural Design
		211063	Introduction to Mechanical Drafting/Design
		800030	Grades 6-8 Engineering & Technology Education
		900030	Grades 9-12 Engineering & Technology Education

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